

NATIONAL TURFGRASS EVALUATION PROGRAM

The National Turfgrass Evaluation Program (NTEP) is designed to develop and coordinate uniform evaluation trials of turfgrass varieties and promising selections in the United States and Canada. Test results can be used by national companies and plant breeders to determine the broad picture of the adaptation of a cultivar. Results can also be used to determine if a cultivar is well adapted to a local area or level of turf maintenance.

Briefly, the NTEP is a self-supporting, non-profit program, sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. Program policy is made by a policy committee consisting of one member from each of the four (4) Regional Turfgrass Research Committees in the United States, one member from the Lawn Seed Division of the American Seed Trade Association, one member from the United States Golf Association (USGA) Green Section, one member from the Golf Course Superintendents Assoc. of America (GCSAA), one member for the Turfgrass Producers International (TPI), one member from the Turfgrass Breeders Association and an executive director. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings.

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A Guide to NTEP Turfgrass Ratings

Introduction

The quality and scientific merit of NTEP data is extremely important. However, the evaluation of turfgrass species and cultivars is a difficult and complex issue. Furthermore, turfgrass evaluation is generally a subjective process based on visual estimates of factors, like genetic color, stand density, leaf texture, uniformity and quality. These factors can not be measured in the same way as other agricultural crops. Turfgrass quality is not a measure of yield or nutritive value. Turfgrass quality is a measure of aesthetics (i.e. density, uniformity, texture, smoothness, growth habit and color), and functional use. The most common way of assessing turfgrass quality is a visual rating system that is based on the turfgrass evaluator's judgement.

General Considerations

Most visual ratings collected on NTEP trials are based on a 1 to 9 rating scale. One is the poorest or lowest and 9 is the best or highest rating. However, a few characteristics, such as winter kill or percent living ground cover, are rated on a percentage basis, again by using the evaluator's judgement. Most disease ratings found in NTEP reports will use the 1-9 scale, 9=no disease except where the evaluator made a judgement of the percentage of disease in each plot. Percent disease data will be found in separate tables and will normally not be included with disease data using the 1-9 scale.

Turfgrass Quality

Turfgrass Quality is based on 9 being outstanding or ideal turf and 1 being poorest or dead. A rating of 6 or above is generally considered acceptable. A quality rating value of 9 is reserved for a perfect or ideal grass, but it also can reflect an absolutely outstanding treatment plot. The NTEP requires quality ratings on a monthly basis. Quality ratings take into account the aesthetic and functional aspects of the turf. Quality ratings are not based on color alone, but on a combination of color, density, uniformity, texture, and disease or environmental stress.

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 2001 data, data from each location will be posted separately as well on the NTEP web site, <http://www.ntep.org>). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at <http://www.ntep.org/pdf/grandmean.mem.pdf>.

Other Ratings

More detailed information on the ratings of specific characteristics can be found on the NTEP web site at <http://www.ntep.org/reports/ratings.htm>.

2012 NATIONAL TALL FESCUE TEST

LOCATIONS SUBMITTING DATA FOR 2014

State	Location	Code
Arkansas	Fayetteville	AR1
California	Riverside	CA3
Connecticut	Storrs	CT1
Georgia	Griffin	GA1
Illinois	Urbana	IL1
Illinois	Carbondale (Shade)	IL2
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Wichita (Brown Patch)	KS2
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Missouri	Columbia	MO1
Mississippi	Mississippi State	MS1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New Jersey	North Brunswick (Traffic)	NJ3
New Jersey	Adelphia	NJ2
North Carolina	Raleigh	NC1
Oklahoma	Stillwater	OK1
Pennsylvania	University Park	PA1
Pennsylvania	University Park (Traffic)	PA2
Tennessee	Knoxville	TN1
Tennessee	Knoxville (Traffic)	TN2
Utah	Logan (Drought)	UT1
Utah	Logan (Spread)	UT1
Virginia	Blacksburg	VA1
Virginia	Blacksburg (Traffic)	VA2

2012 NATIONAL TALL FESCUE TEST

Entries and Sponsors

Entry	Name	Sponsor	Entry	Name	Sponsor	Entry	Name	Sponsor
1*	Terrano	Semillas Fito S.A.	40	ATF 1704	Pennington Seed	79	K12-05	The Scotts Company
2*	Ky-31	Standard Entry	41*	GTO (Burl TF-2)	Burlingham Seeds	80*	Avenger II (PPG-TF-156)	Mountain View Seeds
3	Regenerate	Landmark Turf& NS	42*	Hot Rod (Burl TF-136)	Burlingham Seeds	81*	Thor (PPG-TF-157)	Columbia Seeds LLC
4*	Fesnova	Semillas Fito S.A.	43*	Leonardo (LTP-FSD)	Lebanon Turf Products	82	PPG-TF-169	Mountain View Seeds
5*	Raptor III (ZW 44)	Z Seeds	44*	Rockwell (LTP-TWUU)	Lebanon Turf Products	83	PPG-TF-170	Mountain View Seeds
6*	Traverse 2 SRP (W45)	Turf Merchants, Inc	45*	Michelangelo (LTP-F5DPDR)	Lebanon Turf Products	84	PPG-TF-137	Lewis Seed Company
7*	4 th Millennium SRP (U43)	Turf Merchants, Inc	46	IS-TF 289	DLF International Seed	85	PPG-TF-135	Ampac Seed Company
8*	Rhambler 2 SRP (LSD)	Turf Merchants, Inc	47	MET 6 SEL	DLF International Seed	86	PPG-TF-115	Lewis Seed Company
9*	Aquaduct	Turf Merchants, Inc	48*	Diablo (IS-TF 330)	Columbia Seeds LLC	87*	Firecracker SLS (PPG-TF-105)	Mountain View Seeds
10*	Catalyst	Standard Entry	49	IS-TF-287	DLF International Seed	88	PPG-TF-172	Mountain View Seeds
11*	Marauder	Ledeboer Seed LLC	50	IS-TF-307 SEL	DLF International Seed	89	PPG-TF-151	Grassland Oregon
12*	Warhawk	Ledeboer Seed LLC	51	IS-TF-308 SEL	DLF International Seed	90*	Titanium 2LS (PPG-TF-152)	Mountain View Seeds
13*	Annihilator	Ledeboer Seed LLC	52	IS-TF-311	Brett-Young Seeds	91*	Screamer LS (PPG-TF-148)	Mountain View Seeds
14	Comp. Res. SST	Ledeboer Seed LLC	53	IS-TF-285	DLF International Seed	92*	Black Tail (PPG-TF-150)	Columbia Seeds LLC
15	204 Res. B1k4	Ledeboer Seed LLC	54	IS-TF-310 SEL	DLF International Seed	93*	BIZEM	Semillas Fito S.A.
16	JS 819	Jacklin Seed by Simplot	55	IS-TF-272	DLF International Seed	94	CCR2	Proseeds Marketing
17	JS 818	Jacklin Seed by Simplot©	56	ATF 1736	Pennington Seed	95	MET-3	Proseeds Marketing
18	JS 809	Jacklin Seed by Simplot©	57	ATF 1754	Brett-Young Seeds	96	W41	The Scotts Company
19	JS 916	Jacklin Seed by Simplot©	58*	Hemi	Burlingham Seeds	97*	Dynamite LS (PPG-TF-145)	Mountain View Seeds
20	JS 825	Jacklin Seed by Simplot©	59*	Firebird 2	Burlingham Seeds	98	PPG-TF-138	Ampac Seeds
21	MET 1	The Scotts Company	60*	Bullseye	Standard Entry	99*	Xtender (PPG-TF-139)	Landmark Turf & Native S.
22	F711	The Scotts Company	61	PST-5EV2	Landmark Turf & N.S.	100*	Ares (PPG-TF-142)	Mountain View Seed
23*	Fayette (IS-TF-291)	DLF International Seed	62*	Meridian (PST-5GRB)	Landmark Turf & N.S.	101	RAD-TF-89	Columbia Seeds LLC
24	IS-TF-276 M2	DLF International Seed	63*	Saltillo (PST-5SALT)	Rose Agri-Seed	102	RAD-TF-92	Radix Research
25	IS-TF-305 SEL	DLF International Seed	64*	Rain Dance (PST-5SDT)	Rose Agri-Seed	103	GO-DFR	Grassland Oregon
26	IS-TF-269 SEL	DLF International Seed	65	PST-5DZP	Pure Seed Testing, Inc	104	K12-MCD	The Scotts Company
27*	Turfway (IS-TF-282 M2)	DLF International Seed	66*	Swagger (PST-5RO5)	Brett-Young Seeds	105	PST-5EX2	Pure Seed Testing, Inc.
28*	Foxhound (IS-TF-284 M2)	DLF International Seed	67	PST-5BPO	Grassland Oregon	106	PST-5MVD	Brett-Young Seeds
29*	Temptation (OR-21)	Great Basin Seed	68	PST-5BRK	Pure Seed Testing, Inc	107	RAD-TF-83	Oak Park Farms
30*	Caesar (TY 10)	Great Basin Seed	69*	Kingdom (DB1)	John Deere Landscapes	108	RAD-TF-88	Grassland Oregon
31*	Frontline (Exp TF-09)	Great Basin Seed	70*	Technique (RZ2)	John Deere Landscapes	109	BAR Fa 120878	Barenburg USA
32*	Rowdy (SRX-TPC)	Seed Research of OR	71*	Thunderstruck (TD1)	Columbia Seeds LLC	110	BAR Fa 121089	Barenburg USA
33*	Firewall (PSG-WEI)	Pickseed	72*	Temple (DZ1)	Columbia Seeds LLC	111	BAR Fa 121091	Barenburg USA
34	Pick-W43	Seed Research of OR	73*	Maestro (T31)	Landmark Turf & N.S.	112	BAR Fa 121095	Barenburg USA
35*	Grande 3	Seed Research of OR	74	PSG-GSD	Pickseed	113*	Inspiration (PST-R5NW)	Rose-Agri Seed
36	PSG-PO1	Pickseed	75	PSG-8BP2	Pickseed	114*	Hover (Burl TF-69)	Ag. Service Seeds
37*	Reflection (U45)	Landmark Turf & N.S.	76	PSG-TT4	Pickseed	115*	Falcon IV	Standard Entry
38	B23	Pennington Seed	77*	Faith	Standard Entry	116*	Falcon V	Standard Entry
39	ATF 1612	Pennington Seed	78	K12-13	The Scotts Company			

*COMMERCIALY AVAILABLE IN THE USA IN 2015

Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

TABLE A. 2014 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2012 NATIONAL TALL FESCUE TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
AR1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
CA3	SANDY LOAM	7.1-7.5	0-60	241-375	5.1-6.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
CT1	SANDY LOAM	5.6-6.0	0-60	241-375	2.1-3.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
GA1	SANDY LOAM	4.6-5.5	0-60	0-150	4.1-5.0	FULL SUN	-	TO PREVENT STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	1.1-2.0	FULL SUN	2.6-3.0	NO IRRIGATION
IL2	SILTY CLAY LOAM	6.1-6.5	0-60	241-375	1.1-2.0	UNIFORM SHADE	2.6-3.0	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	7.1-7.5	0-60	151-240	2.1-3.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
KS2	SANDY LOAM	-	-	-	-	FULL SUN	-	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	-	-	-	2.1-3.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
MO1	SILT LOAM AND SILT	5.6-6.0	0-60	151-240	1.1-2.0	FULL SUN	3.1-3.5	ONLY DURING SEVERE STRESS
MS1	SANDY LOAM	7.1-7.5	151-270	376-500	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
NC1	SILTY CLAY LOAM	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NE1	SILTY CLAY AND CLAY	7.1-7.5	0-60	376-500	1.1-2.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NJ1	LOAM	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	376-500	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	LOAM	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
OK1	LOAM	7.1-7.5	61-150	376-500	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
PA1	LOAMY SAND	6.6-7.0	61-150	0-150	3.1-4.0	FULL SUN	-	TO PREVENT STRESS
PA2	LOAMY SAND	6.6-7.0	61-150	0-150	3.1-4.0	FULL SUN	-	TO PREVENT STRESS
TN1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
TN2	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
UT1	-	-	-	-	-	-	-	-
UT2	-	-	-	-	-	-	-	-
VA1	SILT LOAM AND SILT	5.6-6.0	0-60	151-240	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
VA2	SILT LOAM AND SILT	5.6-6.0	0-60	151-240	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS

LOCATIONS AND DATA COLLECTED IN 2014

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
AR1			X	X	X	X	X	X	X	X			X		X
CA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CT1					X	X	X	X	X	X			X	X	X
GA1	X	X	X	X	X	X	X		X	X	X	X	X		
IA1					X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X	X	X
IL2				X	X	X	X	X	X	X					
IN1					X	X	X	X	X	X			X		X
KS2				X	X	X	X	X	X	X			X	X	
KY1			X	X	X	X	X	X	X	X					
MD1					X	X	X	X	X	X	X				
MO1				X	X	X	X	X	X	X			X		X
MS1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NC1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NE1				X	X	X	X	X	X	X			X	X	X
NJ1				X	X	X	X	X	X	X			X	X	X
NJ2				X	X	X	X	X	X	X			X		X
NJ3															
OK1			X	X	X	X	X	X	X	X		X		X	X
PA1						X	X			X				X	
PA2															
TN1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TN2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
UT1					X	X	X	X	X	X			X	X	X
UT2															
VA1					X	X	X	X	X	X	X				
VA2					X	X	X	X	X	X	X	X			

Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

LOCATIONS AND DATA COLLECTED IN 2014

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	BROWN PATCH WARM TEMPM.	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	BROWN PATCH JUNE	RATINGS AUGUST	RATINGS SEPTEMBER
AR1		X		X	X	X								
CA3	X	X	X	X	X	X	X							
CT1														
GA1														
IA1														
IL1										X				
IL2					X	X								
IN1		X												
KS2								X						
KY1							X							
MD1								X						
MO1					X	X								
MS1							X				X			
NC1	X	X	X	X	X	X	X					X	X	X
NE1									X					
NJ1														
NJ2										X				
*NJ3														
OK1			X	X	X	X		X	X		X	X	X	
PA1														
*PA2														
TN1														
*TN2	X			X	X	X	X	X						
UT1														
UT2														
VA1														
*VA2														

* MORE TRAFFIC DATA FOR "NJ3", "PA2", "TN2", "VA2" AND SPREAD DATA FOR "UT2" IN TABLE 12, 13, 14, 15 AND 19.

TABLE 1. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	PA1	MEAN	NAME	NJ1	PA1	MEAN
* REGENERATE	8.2	8.1	8.2	* DIABLO (IS-TF 330)	6.9	6.9	6.9
* TRAVERSE 2 SRP (W45)	8.1	8.0	8.1	* MERIDIAN (PST-5GRB)	6.9	6.9	6.9
* HOT ROD (BURL TF-136)	8.0	7.9	8.0	* RHAMBLER 2 SRP (LSD)	6.8	6.8	6.8
MET 1	8.0	7.9	8.0	ATF 1704	6.8	6.8	6.8
* RAPTOR III (ZW 44)	8.0	7.9	7.9	* HOVER (BURL TF-69)	6.8	6.8	6.8
CCR2	8.0	7.9	7.9	* XTENDER (PPG-TF-139)	6.8	6.8	6.8
PICK-W43	8.0	7.9	7.9	IS-TF 269 SEL	6.8	6.8	6.8
* HEMI	7.9	7.9	7.9	* BULLSEYE	6.8	6.8	6.8
* TITANIUM 2LS (PPG-TF-152)	7.8	7.8	7.8	PPG-TF-138	6.8	6.8	6.8
* FIREWALL (PSG-WE1)	7.8	7.8	7.8	PST-5EV2	6.8	6.8	6.8
F711	7.8	7.7	7.8	RAD-TF-89	6.8	6.8	6.8
* 4TH MILLENNIUM SRP (U43)	7.8	7.7	7.8	ATF 1754	6.8	6.8	6.8
* AVENGER II (PPG-TF-156)	7.7	7.7	7.7	* FALCON V	6.8	6.7	6.8
IS-TF 308 SEL	7.7	7.7	7.7	* FOXHOUND (IS-TF 284 M2)	6.7	6.7	6.7
* TECHNIQUE (RZ2)	7.7	7.7	7.7	IS-TF 310 SEL	6.7	6.7	6.7
* ROCKWELL (LTP-TWUU)	7.6	7.6	7.6	* TURFWAY (IS-TF 282 M2)	6.7	6.7	6.7
PPG-TF-137	7.6	7.6	7.6	IS-TF-287	6.6	6.6	6.6
B23	7.6	7.6	7.6	* FAITH	6.6	6.6	6.6
BLACK TAIL (PPG-TF-150)	7.6	7.5	7.6	IS-TF 305 SEL	6.6	6.6	6.6
* FAYETTE (IS-TF 291)	7.5	7.4	7.5	LEONARDO (LTP-FSD)	6.6	6.6	6.6
* GTO (BURL TF-2)	7.4	7.4	7.4	* KINGDOM (DB1)	6.5	6.6	6.5
* SCREAMER LS (PPG-TF-148)	7.4	7.4	7.4	* CATALYST	6.5	6.5	6.5
* REFLECTION (U45)	7.4	7.4	7.4	PPG-TF-151	6.5	6.5	6.5
PPG-TF-170	7.4	7.4	7.4	* FESNOVA	6.5	6.5	6.5
PPG-TF-135	7.4	7.4	7.4	IS-TF 285	6.4	6.4	6.4
* BIZEM	7.3	7.3	7.3	IS-TF 289	6.4	6.4	6.4
PPG-TF-169	7.3	7.3	7.3	ATF 1736	6.3	6.3	6.3
IS-TF 311	7.3	7.3	7.3	IS-TF 272	6.3	6.3	6.3
* MAESTRO (T31)	7.2	7.2	7.2	* MICHELANGELO (LTP-F5DPDR)	6.3	6.3	6.3
W41	7.2	7.2	7.2	* THUNDERSTRUCK (TD1)	6.2	6.2	6.2
RAD-TF-88	7.2	7.1	7.2	* ARES (PPG-TF-142)	6.1	6.1	6.1
* GRANDE 3	7.2	7.2	7.2	* SALTILLO (PST-5SALT)	6.0	6.0	6.0
ATF 1612	7.2	7.1	7.2	PST-5MVD	6.0	6.0	6.0
PPG-TF-172	7.1	7.1	7.1	K12-05	6.0	6.0	6.0
JS 916	7.1	7.1	7.1	K12-MCD	5.9	6.0	6.0
PSG-P01	7.1	7.1	7.1	IS-TF 276 M2	5.9	5.9	5.9
THOR (PPG-TF-157)	7.1	7.1	7.1	* DYNAMITE LS (PPG-TF-145)	5.9	5.9	5.9
MET-3	7.1	7.1	7.1	PST-5DZP	5.8	5.8	5.8
TEMPLE (DZ1)	7.1	7.1	7.1	RAD-TF-83	5.8	5.8	5.8
MET 6 SEL	7.1	7.1	7.1	GO-DFR	5.7	5.8	5.7
* FIREBIRD 2	7.1	7.0	7.0	PST-5BPO	5.7	5.8	5.7
* ROWDY (SRX-TPC)	7.0	7.0	7.0	PPG-TF-115	5.7	5.8	5.7
* FIRECRACKER SLS (PPG-TF-105)	7.1	7.0	7.0	SWAGGER (PST-5R05)	5.7	5.7	5.7
RAD-TF-92	7.0	7.0	7.0	COMP. RES. SST	5.7	5.7	5.7
IS-TF 307 SEL	6.9	6.9	6.9	204 RES. BLK4	5.7	5.7	5.7

TABLE 1. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 Taken from the 2012 Tall Fescue test 2014 data report with permission from NTEP
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	PA1	MEAN
* CAESAR (TY 10)	5.6	5.6	5.6
* TERRANO	5.5	5.5	5.5
PST-5BRK	5.5	5.5	5.5
JS 818	5.5	5.5	5.5
PSG-GSD	5.4	5.5	5.5
BAR FA 121095	5.4	5.5	5.4
* TEMPTATION (OR-21)	5.3	5.4	5.4
JS 809	5.3	5.4	5.3
* RAIN DANCE (PST-5SDT)	5.2	5.3	5.3
* ANNIHILATOR	5.2	5.3	5.3
* MARAUDER	5.2	5.2	5.2
PSG-8BP2	5.1	5.2	5.2
PSG-TT4	5.1	5.1	5.1
* FALCON IV	5.0	5.1	5.0
K12-13	5.0	5.1	5.0
PST-5EX2	4.9	5.0	5.0
JS 819	4.8	4.8	4.8
BAR FA 121089	4.7	4.8	4.8
* FRONTLINE (EXP TF-09)	4.7	4.8	4.7
* INSPIRATION (PST-R5NW)	4.6	4.7	4.6
* AQUADUCT	4.4	4.5	4.5
BAR FA 121091	4.3	4.4	4.3
* WARHAWK	4.2	4.3	4.2
JS 825	4.1	4.2	4.2
BAR FA 120878	2.3	2.5	2.4
* KY-31	1.2	1.4	1.3
LSD VALUE	0.8	0.8	0.8
C.V. (%)	7.3	7.3	7.3

* COMMERCIALY AVAILABLE IN THE USA IN 2015

** ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ2	MD1	IL1	NC1	IN1	VA1	IA1	UT1	MO1	CT1	AR1	KY1	KS2	MEAN
TRAVERSE 2 SRP (W45)	6.2	6.5	6.2	6.7	6.7	7.0	7.4	7.1	5.8	6.7	7.5	6.9	5.6	6.6
4TH MILLENNIUM SRP (U43)	6.0	6.4	6.1	6.6	6.7	6.9	7.4	7.1	5.8	6.7	7.5	6.9	5.6	6.6
MET 1	6.1	6.5	6.1	6.6	6.7	6.9	7.3	7.1	5.8	6.6	7.4	6.9	5.6	6.6
TITANIUM 2LS (PPG-TF-152)	6.0	6.4	6.1	6.6	6.6	6.9	7.3	7.1	5.8	6.6	7.4	6.9	5.6	6.5
CCR2	6.1	6.4	6.1	6.6	6.6	6.9	7.3	7.0	5.8	6.6	7.4	6.8	5.5	6.5
RAPTOR III (ZW 44)	6.1	6.4	6.1	6.5	6.6	6.9	7.3	7.0	5.7	6.6	7.4	6.8	5.5	6.5
AVENGER II (PPG-TF-156)	5.9	6.3	6.0	6.5	6.6	6.8	7.3	7.0	5.8	6.6	7.4	6.8	5.5	6.5
REGENERATE	6.2	6.4	6.1	6.5	6.6	6.8	7.2	7.0	5.7	6.5	7.3	6.8	5.4	6.5
THOR (PPG-TF-157)	5.6	6.2	6.0	6.5	6.6	6.8	7.3	7.1	5.8	6.6	7.4	6.9	5.6	6.5
PPG-TF-135	5.7	6.2	6.0	6.5	6.5	6.8	7.2	7.0	5.7	6.6	7.4	6.8	5.5	6.5
REFLECTION (U45)	5.7	6.2	6.0	6.5	6.5	6.8	7.2	7.0	5.7	6.5	7.4	6.8	5.5	6.5
F711	5.9	6.3	6.0	6.5	6.5	6.8	7.2	7.0	5.7	6.5	7.3	6.8	5.4	6.4
PPG-TF-137	5.8	6.3	6.0	6.4	6.5	6.8	7.2	7.0	5.7	6.5	7.3	6.8	5.5	6.4
GTO (BURL TF-2)	5.7	6.2	6.0	6.4	6.5	6.8	7.2	7.0	5.7	6.5	7.3	6.8	5.5	6.4
PICK-W43	6.0	6.3	6.0	6.5	6.5	6.8	7.2	6.9	5.6	6.5	7.3	6.7	5.4	6.4
TECHNIQUE (RZ2)	5.9	6.3	6.0	6.4	6.5	6.8	7.2	6.9	5.7	6.5	7.3	6.7	5.4	6.4
ROCKWELL (LTP-TWUU)	5.8	6.2	6.0	6.4	6.5	6.7	7.2	6.9	5.7	6.5	7.3	6.8	5.4	6.4
HEMI	6.0	6.3	6.0	6.4	6.5	6.7	7.2	6.9	5.6	6.4	7.2	6.7	5.4	6.4
FAYETTE (IS-TF 291)	5.7	6.2	5.9	6.4	6.5	6.7	7.1	6.9	5.6	6.5	7.3	6.7	5.4	6.4
ROWDY (SRX-TPC)	5.5	6.1	5.9	6.4	6.5	6.7	7.2	7.0	5.7	6.5	7.3	6.8	5.5	6.4
HOT ROD (BURL TF-136)	6.0	6.3	5.9	6.4	6.5	6.7	7.1	6.9	5.6	6.4	7.2	6.7	5.3	6.4
IS-TF 308 SEL	5.9	6.2	5.9	6.4	6.5	6.7	7.1	6.9	5.6	6.4	7.2	6.7	5.4	6.4
PPG-TF-169	5.6	6.1	5.9	6.4	6.4	6.7	7.1	6.9	5.6	6.5	7.3	6.7	5.4	6.4
MAESTRO (T31)	5.6	6.1	5.9	6.4	6.4	6.7	7.1	6.9	5.7	6.5	7.3	6.8	5.4	6.4
MET-3	5.5	6.1	5.9	6.4	6.4	6.7	7.1	6.9	5.7	6.5	7.3	6.8	5.5	6.4
MET 6 SEL	5.5	6.1	5.9	6.3	6.4	6.7	7.1	6.9	5.7	6.5	7.3	6.8	5.5	6.4
BIZEM	5.6	6.1	5.9	6.4	6.4	6.7	7.1	6.9	5.6	6.4	7.3	6.7	5.4	6.3
BLACK TAIL (PPG-TF-150)	5.8	6.2	5.9	6.4	6.4	6.7	7.1	6.9	5.6	6.4	7.2	6.7	5.4	6.3
FIREWALL (PSG-WE1)	5.9	6.2	5.9	6.4	6.4	6.7	7.1	6.8	5.6	6.4	7.2	6.6	5.3	6.3
PPG-TF-170	5.7	6.1	5.9	6.3	6.4	6.7	7.1	6.9	5.6	6.4	7.2	6.7	5.4	6.3
IS-TF 311	5.6	6.1	5.9	6.3	6.4	6.7	7.1	6.9	5.6	6.4	7.2	6.7	5.4	6.3
PPG-TF-172	5.5	6.1	5.8	6.3	6.4	6.7	7.1	6.9	5.6	6.4	7.3	6.7	5.4	6.3
IS-TF 307 SEL	5.4	6.0	5.8	6.3	6.4	6.7	7.1	6.9	5.7	6.5	7.3	6.8	5.4	6.3
W41	5.6	6.1	5.8	6.3	6.4	6.7	7.1	6.9	5.6	6.4	7.2	6.7	5.4	6.3
PSG-P01	5.5	6.0	5.8	6.3	6.4	6.6	7.1	6.9	5.6	6.4	7.2	6.7	5.4	6.3
B23	5.8	6.2	5.8	6.3	6.4	6.6	7.1	6.8	5.5	6.4	7.2	6.6	5.3	6.3
GRANDE 3	5.5	6.0	5.8	6.3	6.4	6.6	7.1	6.8	5.6	6.4	7.2	6.7	5.4	6.3
JS 916	5.5	6.0	5.8	6.3	6.4	6.6	7.1	6.8	5.6	6.4	7.2	6.7	5.4	6.3
SCREAMER LS (PPG-TF-148)	5.7	6.1	5.8	6.3	6.4	6.6	7.0	6.8	5.5	6.4	7.2	6.6	5.3	6.3
IS-TF 310 SEL	5.3	5.9	5.8	6.3	6.3	6.6	7.1	6.9	5.6	6.4	7.3	6.7	5.4	6.3
FIREBIRD 2	5.5	6.0	5.8	6.3	6.3	6.6	7.0	6.8	5.6	6.4	7.2	6.7	5.4	6.3
PST-5EV2	5.3	5.9	5.8	6.3	6.3	6.6	7.0	6.8	5.6	6.4	7.2	6.7	5.4	6.3
DIABLO (IS-TF 330)	5.4	5.9	5.8	6.3	6.3	6.6	7.0	6.8	5.6	6.4	7.2	6.7	5.4	6.3
FIRECRACKER SLS (PPG-TF-105)	5.4	6.0	5.8	6.3	6.3	6.6	7.0	6.8	5.5	6.4	7.2	6.6	5.3	6.3
LEONARDO (LTP-FSD)	5.2	5.9	5.8	6.2	6.3	6.6	7.0	6.8	5.6	6.4	7.2	6.7	5.4	6.3

TABLE 2, (CONT'D)

TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ2	MD1	IL1	NC1	IN1	VA1	IA1	UT1	MO1	CT1	AR1	KY1	KS2	MEAN
ATF 1612	5.5	6.0	5.8	6.3	6.3	6.6	7.0	6.8	5.5	6.4	7.2	6.6	5.3	6.2
TURFWAY (IS-TF 282 M2)	5.3	5.9	5.8	6.2	6.3	6.6	7.0	6.8	5.6	6.4	7.2	6.7	5.4	6.2
XTENDER (PPG-TF-139)	5.3	5.9	5.7	6.2	6.3	6.6	7.0	6.8	5.5	6.4	7.2	6.6	5.3	6.2
TEMPLE (DZ1)	5.4	6.0	5.7	6.2	6.3	6.6	7.0	6.8	5.5	6.3	7.1	6.6	5.3	6.2
PPG-TF-151	5.1	5.8	5.7	6.2	6.3	6.5	7.0	6.8	5.6	6.4	7.2	6.7	5.4	6.2
FAITH	5.2	5.8	5.7	6.2	6.3	6.5	7.0	6.8	5.6	6.4	7.2	6.7	5.4	6.2
RHAMBLER 2 SRP (LSD)	5.3	5.9	5.7	6.2	6.3	6.5	7.0	6.8	5.5	6.3	7.2	6.6	5.3	6.2
MICHELANGELO (LTP-FSDPDR)	5.0	5.7	5.7	6.2	6.3	6.5	7.0	6.8	5.6	6.4	7.2	6.7	5.4	6.2
IS-TF 305 SEL	5.2	5.8	5.7	6.2	6.3	6.5	7.0	6.8	5.5	6.4	7.2	6.7	5.4	6.2
FOXHOUND (IS-TF 284 M2)	5.2	5.8	5.7	6.2	6.3	6.5	7.0	6.8	5.5	6.3	7.1	6.6	5.3	6.2
ATF 1754	5.2	5.8	5.7	6.2	6.2	6.5	7.0	6.7	5.5	6.3	7.1	6.6	5.3	6.2
PPG-TF-138	5.3	5.8	5.7	6.2	6.2	6.5	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.2
IS-TF 269 SEL	5.3	5.9	5.7	6.2	6.2	6.5	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.2
FALCON V	5.2	5.8	5.7	6.2	6.2	6.5	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.2
RAD-TF-89	5.2	5.8	5.7	6.1	6.2	6.5	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.1
FESNOVA	5.1	5.8	5.6	6.1	6.2	6.5	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.1
ATF 1704	5.3	5.8	5.6	6.1	6.2	6.5	6.9	6.7	5.4	6.3	7.1	6.5	5.2	6.1
HOVER (BURL TF-69)	5.3	5.8	5.6	6.1	6.2	6.5	6.9	6.7	5.4	6.3	7.1	6.5	5.2	6.1
K12-MCD	4.8	5.6	5.6	6.1	6.2	6.5	6.9	6.7	5.5	6.4	7.2	6.7	5.4	6.1
KINGDOM (DB1)	5.1	5.7	5.6	6.1	6.2	6.4	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.1
IS-TF-287	5.2	5.8	5.6	6.1	6.2	6.4	6.9	6.7	5.4	6.3	7.1	6.5	5.2	6.1
IS-TF 289	5.0	5.7	5.6	6.1	6.2	6.4	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.1
PST-5MVD	4.8	5.6	5.6	6.1	6.2	6.4	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.1
BULLSEYE	5.2	5.8	5.6	6.1	6.2	6.4	6.9	6.7	5.4	6.2	7.0	6.5	5.2	6.1
TERRANO	4.5	5.5	5.5	6.0	6.1	6.4	6.9	6.7	5.6	6.4	7.2	6.7	5.4	6.1
CATALYST	5.1	5.7	5.6	6.1	6.1	6.4	6.9	6.6	5.4	6.2	7.0	6.5	5.2	6.1
MERIDIAN (PST-5GRB)	5.3	5.8	5.6	6.1	6.1	6.4	6.8	6.6	5.3	6.2	7.0	6.4	5.1	6.1
ARES (PPG-TF-142)	4.8	5.6	5.5	6.0	6.1	6.4	6.9	6.7	5.4	6.3	7.1	6.6	5.3	6.0
PPG-TF-115	4.6	5.5	5.5	6.0	6.1	6.4	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.0
ATF 1736	4.9	5.6	5.5	6.0	6.1	6.4	6.8	6.6	5.4	6.2	7.0	6.5	5.2	6.0
PST-5BRK	4.5	5.4	5.5	6.0	6.1	6.4	6.9	6.7	5.5	6.3	7.1	6.6	5.3	6.0
RAD-TF-88	5.4	5.8	5.6	6.0	6.1	6.3	6.8	6.5	5.3	6.1	6.9	6.4	5.0	6.0
DYNAMITE LS (PPG-TF-145)	4.7	5.5	5.5	6.0	6.1	6.3	6.8	6.6	5.4	6.2	7.1	6.5	5.2	6.0
PST-5BP0	4.6	5.5	5.5	6.0	6.1	6.3	6.8	6.6	5.4	6.3	7.1	6.6	5.3	6.0
THUNDERSTRUCK (TD1)	4.9	5.6	5.5	6.0	6.1	6.3	6.8	6.6	5.4	6.2	7.0	6.5	5.2	6.0
IS-TF 285	5.0	5.6	5.5	6.0	6.1	6.3	6.8	6.6	5.3	6.2	7.0	6.4	5.1	6.0
RAD-TF-92	5.3	5.8	5.5	6.0	6.1	6.3	6.8	6.5	5.3	6.1	6.9	6.3	5.0	6.0
IS-TF 276 M2	4.7	5.5	5.5	6.0	6.0	6.3	6.8	6.6	5.4	6.2	7.0	6.5	5.2	6.0
IS-TF 272	4.9	5.6	5.5	6.0	6.0	6.3	6.8	6.6	5.3	6.2	7.0	6.4	5.1	6.0
SALTILLO (PST-5SALT)	4.8	5.5	5.5	6.0	6.0	6.3	6.8	6.6	5.4	6.2	7.0	6.5	5.2	6.0
CAESAR (TY 10)	4.5	5.4	5.4	5.9	6.0	6.3	6.8	6.6	5.4	6.2	7.0	6.5	5.2	6.0
SWAGGER (PST-5R05)	4.6	5.4	5.4	5.9	6.0	6.3	6.8	6.6	5.4	6.2	7.0	6.5	5.2	5.9
TEMPTATION (OR-21)	4.4	5.3	5.4	5.9	6.0	6.2	6.7	6.6	5.4	6.2	7.0	6.5	5.2	5.9
PST-5EX2	4.1	5.2	5.3	5.8	5.9	6.2	6.7	6.6	5.4	6.2	7.1	6.5	5.2	5.9
K12-05	4.7	5.4	5.4	5.9	5.9	6.2	6.7	6.5	5.2	6.1	6.9	6.4	5.1	5.9

TABLE 2. (CONT'D)
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ2	MD1	IL1	NC1	IN1	VA1	IA1	UT1	MO1	CT1	AR1	KY1	KS2	MEAN
GO-DFR	4.5	5.3	5.3	5.8	5.9	6.2	6.6	6.5	5.2	6.1	6.9	6.4	5.1	5.8
FALCON IV	4.1	5.1	5.3	5.8	5.9	6.2	6.7	6.5	5.3	6.1	7.0	6.5	5.2	5.8
PST-5DZP	4.6	5.3	5.3	5.8	5.9	6.1	6.6	6.4	5.2	6.0	6.8	6.3	5.0	5.8
PSG-GSD	4.4	5.2	5.3	5.8	5.9	6.1	6.6	6.5	5.2	6.1	6.9	6.4	5.1	5.8
RAIN DANCE (PST-5SDT)	4.2	5.2	5.2	5.7	5.8	6.1	6.6	6.4	5.2	6.0	6.8	6.3	5.0	5.7
RAD-TF-83	4.5	5.3	5.2	5.7	5.8	6.1	6.5	6.3	5.1	5.9	6.8	6.2	4.9	5.7
PSG-TT4	4.1	5.1	5.2	5.7	5.8	6.1	6.6	6.4	5.2	6.0	6.8	6.3	5.0	5.7
BAR FA 121095	4.3	5.2	5.2	5.7	5.8	6.1	6.5	6.4	5.2	6.0	6.8	6.3	5.0	5.7
INSPIRATION (PST-R5NW)	3.9	5.0	5.1	5.7	5.7	6.0	6.6	6.4	5.2	6.1	6.9	6.4	5.1	5.7
PSG-8BP2	4.1	5.1	5.1	5.6	5.7	6.0	6.5	6.3	5.1	5.9	6.8	6.3	5.0	5.7
JS 818	4.3	5.1	5.1	5.6	5.7	6.0	6.5	6.3	5.1	5.9	6.7	6.2	4.9	5.6
JS 819	3.9	4.9	5.1	5.6	5.7	6.0	6.5	6.3	5.1	5.9	6.8	6.3	5.0	5.6
FRONTLINE (EXP TF-09)	3.9	4.9	5.1	5.6	5.7	6.0	6.5	6.3	5.1	6.0	6.8	6.3	5.0	5.6
BAR FA 121089	3.9	4.9	5.0	5.5	5.6	5.9	6.4	6.3	5.1	5.9	6.7	6.2	4.9	5.6
ANNIHILATOR	4.1	5.0	5.0	5.5	5.6	5.9	6.4	6.2	5.0	5.8	6.6	6.1	4.8	5.5
JS 809	4.2	5.0	5.0	5.5	5.6	5.9	6.3	6.2	4.9	5.8	6.6	6.1	4.8	5.5
COMP. RES. SST	4.4	5.1	5.0	5.5	5.6	5.8	6.3	6.1	4.9	5.7	6.5	6.0	4.7	5.5
WARHAWK	3.5	4.7	4.9	5.4	5.5	5.8	6.3	6.2	5.0	5.8	6.6	6.1	4.8	5.4
K12-13	4.0	4.9	4.9	5.4	5.5	5.8	6.2	6.1	4.9	5.7	6.5	6.0	4.7	5.4
204 RES. BLK4	4.3	5.0	4.9	5.4	5.5	5.7	6.2	6.0	4.8	5.6	6.4	5.9	4.6	5.4
MARAUDER	4.0	4.9	4.9	5.4	5.5	5.7	6.2	6.0	4.8	5.7	6.5	6.0	4.6	5.4
BAR FA 121091	3.6	4.7	4.8	5.3	5.4	5.7	6.2	6.1	4.9	5.8	6.6	6.1	4.8	5.4
JS 825	3.5	4.6	4.8	5.3	5.4	5.7	6.2	6.1	4.9	5.7	6.6	6.1	4.8	5.3
AQUADUCT	3.6	4.6	4.8	5.3	5.4	5.7	6.2	6.0	4.8	5.7	6.5	6.0	4.7	5.3
BAR FA 120878	2.3	3.8	4.3	4.8	4.9	5.2	5.8	5.7	4.6	5.4	6.3	5.8	4.5	4.9
KY-31	1.1	2.6	3.1	3.6	3.7	4.1	4.6	4.5	3.4	4.3	5.1	4.6	3.3	3.7
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	9.3	8.3	8.4	7.8	7.7	7.3	6.8	7.1	8.7	7.5	6.7	7.2	9.0	7.7

* ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	TN1	CA3	MS1	GA1	MEAN
TITANIUM 2LS (PPG-TF-152)	7.6	6.2	6.1	5.1	6.9
PPG-TF-135	7.6	6.2	6.1	5.1	6.9
CCR2	7.6	6.1	6.1	5.1	6.9
MET-3	7.5	6.1	6.1	5.1	6.8
PPG-TF-137	7.5	6.1	6.0	5.0	6.8
PPG-TF-151	7.5	6.1	6.1	5.1	6.8
K12-MCD	7.5	6.1	6.1	5.1	6.8
PPG-TF-172	7.5	6.1	6.0	5.0	6.8
BIZEM	7.5	6.1	6.0	5.0	6.8
PST-5MVD	7.5	6.1	6.0	5.0	6.8
W41	7.5	6.1	6.0	5.0	6.8
PPG-TF-115	7.4	6.1	6.0	5.1	6.8
PST-5EX2	7.4	6.1	6.0	5.1	6.7
PPG-TF-170	7.4	6.0	6.0	5.0	6.7
XTENDER (PPG-TF-139)	7.4	6.0	6.0	5.0	6.7
FIRECRACKER SLS (PPG-TF-105)	7.4	6.0	6.0	5.0	6.7
BLACK TAIL (PPG-TF-150)	7.4	6.0	5.9	4.9	6.7
ARES (PPG-TF-142)	7.4	6.0	5.9	5.0	6.7
DYNAMITE LS (PPG-TF-145)	7.4	6.0	5.9	5.0	6.7
SCREAMER LS (PPG-TF-148)	7.4	6.0	5.9	4.9	6.7
FALCON V	7.4	6.0	5.9	4.9	6.7
PPG-TF-138	7.4	6.0	5.9	4.9	6.7
RAD-TF-89	7.3	6.0	5.9	4.9	6.6
FALCON IV	7.3	6.0	5.9	5.0	6.6
HOVER (BURL TF-69)	7.3	5.9	5.9	4.9	6.6
INSPIRATION (PST-R5NW)	7.3	5.9	5.9	4.9	6.6
GO-DFR	7.2	5.8	5.8	4.8	6.5
BAR FA 121095	7.1	5.8	5.7	4.7	6.4
BAR FA 121089	7.1	5.7	5.7	4.7	6.4
RAD-TF-88	7.1	5.7	5.6	4.6	6.4
RAD-TF-92	7.1	5.7	5.6	4.6	6.4
THOR (PPG-TF-157)	7.7	6.3	6.2	5.2	6.4
RAD-TF-83	7.0	5.7	5.6	4.6	6.4
4TH MILLENNIUM SRP (U43)	7.7	6.3	6.2	5.2	6.3
TRAVERSE 2 SRP (W45)	7.7	6.2	6.2	5.2	6.3
BAR FA 121091	6.9	5.6	5.6	4.6	6.3
MET 1	7.6	6.2	6.1	5.1	6.3
TERRANO	7.5	6.2	6.1	5.2	6.3
ROWDY (SRX-TPC)	7.6	6.2	6.1	5.1	6.2
REFLECTION (U45)	7.6	6.2	6.1	5.1	6.2
AVENGER II (PPG-TF-156)	7.6	6.2	6.1	5.1	6.2
GTO (BURL TF-2)	7.6	6.1	6.1	5.1	6.2
IS-TF 307 SEL	7.5	6.1	6.1	5.1	6.2
MICHELANGELO (LTP-F5DPDR)	7.5	6.1	6.1	5.1	6.2
RAPTOR III (ZW 44)	7.6	6.1	6.1	5.1	6.2

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	TN1	CA3	MS1	GA1	MEAN
LEONARDO (LTP-FSD)	7.5	6.1	6.1	5.1	6.2
MET 6 SEL	7.5	6.1	6.1	5.1	6.2
IS-TF 310 SEL	7.5	6.1	6.1	5.1	6.2
PST-5BRK	7.5	6.1	6.1	5.1	6.2
MAESTRO (T31)	7.5	6.1	6.1	5.0	6.2
TURFWAY (IS-TF 282 M2)	7.5	6.1	6.0	5.0	6.2
PST-5EV2	7.5	6.1	6.0	5.0	6.2
PPG-TF-169	7.5	6.1	6.0	5.0	6.2
ROCKWELL (LTP-TWUU)	7.5	6.1	6.0	5.0	6.1
F711	7.5	6.1	6.0	5.0	6.1
FAYETTE (IS-TF 291)	7.5	6.1	6.0	5.0	6.1
FAITH	7.5	6.1	6.0	5.0	6.1
IS-TF 311	7.5	6.1	6.0	5.0	6.1
TECHNIQUE (RZ2)	7.5	6.1	6.0	5.0	6.1
IS-TF 305 SEL	7.5	6.1	6.0	5.0	6.1
PSG-P01	7.5	6.1	6.0	5.0	6.1
DIABLO (IS-TF 330)	7.4	6.0	6.0	5.0	6.1
REGENERATE	7.5	6.0	6.0	5.0	6.1
JS 916	7.4	6.0	6.0	5.0	6.1
GRANDE 3	7.4	6.0	6.0	5.0	6.1
FIREBIRD 2	7.4	6.0	6.0	5.0	6.1
FESNOVA	7.4	6.0	6.0	5.0	6.1
BAR FA 120878	6.7	5.5	5.4	4.5	6.1
PST-5BPO	7.4	6.0	6.0	5.0	6.1
PICK-W43	7.4	6.0	6.0	4.9	6.1
RHAMBLER 2 SRP (LSD)	7.4	6.0	6.0	5.0	6.1
CAESAR (TY 10)	7.4	6.0	6.0	5.0	6.1
IS-TF 308 SEL	7.4	6.0	5.9	4.9	6.1
HEMI	7.4	6.0	5.9	4.9	6.1
FOXHOUND (IS-TF 284 M2)	7.4	6.0	5.9	4.9	6.1
TEMPTATION (OR-21)	7.3	6.0	5.9	5.0	6.1
ATF 1754	7.4	6.0	5.9	4.9	6.1
ATF 1612	7.4	6.0	5.9	4.9	6.1
IS-TF 289	7.4	6.0	5.9	4.9	6.0
TEMPLE (DZ1)	7.4	6.0	5.9	4.9	6.0
SWAGGER (PST-5R05)	7.3	6.0	5.9	4.9	6.0
KINGDOM (DB1)	7.4	6.0	5.9	4.9	6.0
IS-TF 276 M2	7.3	6.0	5.9	4.9	6.0
IS-TF 269 SEL	7.3	6.0	5.9	4.9	6.0
HOT ROD (BURL TF-136)	7.4	5.9	5.9	4.9	6.0
B23	7.4	5.9	5.9	4.9	6.0
FIREWALL (PSG-WE1)	7.4	5.9	5.9	4.9	6.0
IS-TF-287	7.3	5.9	5.9	4.9	6.0
SALTILLO (PST-5SALT)	7.3	5.9	5.9	4.9	6.0
ATF 1704	7.3	5.9	5.9	4.9	6.0

TABLE 3. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 Taken from the 2012 Tall Fescue test 2014 data report with permission from NTEP
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	TN1	CA3	MS1	GA1	MEAN
ATF 1736	7.3	5.9	5.9	4.9	6.0
CATALYST	7.3	5.9	5.9	4.9	6.0
THUNDERSTRUCK (TD1)	7.3	5.9	5.8	4.9	6.0
BULLSEYE	7.3	5.9	5.8	4.8	5.9
IS-TF 272	7.2	5.9	5.8	4.8	5.9
PSG-GSD	7.2	5.8	5.8	4.8	5.9
PSG-TT4	7.2	5.8	5.8	4.8	5.9
IS-TF 285	7.2	5.8	5.8	4.8	5.9
RAIN DANCE (PST-5SDT)	7.2	5.8	5.8	4.8	5.9
MERIDIAN (PST-5GRB)	7.2	5.8	5.7	4.7	5.9
FRONTLINE (EXP TF-09)	7.1	5.8	5.7	4.8	5.9
K12-05	7.2	5.8	5.7	4.7	5.9
JS 819	7.1	5.8	5.7	4.8	5.8
PST-5DZP	7.1	5.8	5.7	4.7	5.8
PSG-8BP2	7.1	5.7	5.7	4.7	5.8
WARHAWK	7.0	5.7	5.6	4.7	5.8
JS 818	7.0	5.6	5.6	4.6	5.7
JS 825	6.9	5.6	5.6	4.6	5.7
ANNIHILATOR	6.9	5.6	5.5	4.5	5.7
JS 809	6.9	5.5	5.5	4.5	5.6
AQUADUCT	6.8	5.5	5.4	4.5	5.6
K12-13	6.8	5.5	5.4	4.5	5.5
MARAUDER	6.8	5.4	5.4	4.4	5.5
COMP. RES. SST	6.8	5.4	5.4	4.4	5.5
204 RES. BLK4	6.7	5.3	5.2	4.3	5.4
KY-31	5.6	4.3	4.2	3.3	4.4
LSD VALUE	0.8	0.8	0.8	0.8	0.8
C.V. (%)	6.4	7.9	8.0	9.6	7.6

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TABLE 4. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NE1	OK1	MEAN	NAME	NE1	OK1	MEAN
TERRANO	5.9	5.3	5.6	PSG-GSD	5.5	4.9	5.2
PST-5EX2	5.8	5.3	5.5	DIABLO (IS-TF 330)	5.6	4.8	5.2
PST-5BRK	5.8	5.2	5.5	IS-TF 289	5.5	4.8	5.2
THOR (PPG-TF-157)	5.8	5.1	5.5	BAR FA 121089	5.4	4.9	5.2
INSPIRATION (PST-R5NW)	5.7	5.2	5.4	SALTILLO (PST-5SALT)	5.5	4.9	5.2
K12-MCD	5.7	5.1	5.4	XTENDER (PPG-TF-139)	5.6	4.8	5.2
PPG-TF-115	5.7	5.1	5.4	PPG-TF-169	5.6	4.8	5.2
FALCON IV	5.7	5.2	5.4	PSG-P01	5.6	4.8	5.2
MICHELANGELO (LTP-F5DPDR)	5.7	5.1	5.4	FOXHOUND (IS-TF 284 M2)	5.5	4.8	5.2
TEMPTATION (OR-21)	5.6	5.1	5.4	RHAMBLER 2 SRP (LSD)	5.5	4.8	5.2
PST-5MVD	5.7	5.1	5.4	W41	5.6	4.8	5.2
CAESAR (TY 10)	5.7	5.1	5.4	IS-TF 311	5.6	4.7	5.2
PST-5BPO	5.7	5.1	5.4	FIREBIRD 2	5.5	4.8	5.2
LEONARDO (LTP-FSD)	5.7	5.0	5.3	JS 916	5.6	4.8	5.2
PPG-TF-151	5.7	5.0	5.3	KINGDOM (DB1)	5.5	4.8	5.2
ROWDY (SRX-TPC)	5.7	4.9	5.3	BIZEM	5.6	4.7	5.1
IS-TF 310 SEL	5.7	4.9	5.3	ATF 1754	5.5	4.8	5.1
IS-TF 307 SEL	5.7	4.9	5.3	GRANDE 3	5.5	4.7	5.1
4TH MILLENNIUM SRP (U43)	5.7	4.9	5.3	PPG-TF-137	5.6	4.7	5.1
DYNAMITE LS (PPG-TF-145)	5.6	5.0	5.3	ATF 1736	5.5	4.8	5.1
SWAGGER (PST-5R05)	5.6	5.0	5.3	CCR2	5.6	4.7	5.1
TURFWAY (IS-TF 282 M2)	5.6	4.9	5.3	FAYETTE (IS-TF 291)	5.6	4.7	5.1
PPG-TF-135	5.7	4.9	5.3	JS 825	5.3	4.9	5.1
FAITH	5.6	4.9	5.3	FIRECRACKER SLS (PPG-TF-105)	5.5	4.7	5.1
ARES (PPG-TF-142)	5.6	4.9	5.3	THUNDERSTRUCK (TD1)	5.5	4.8	5.1
IS-TF 305 SEL	5.6	4.9	5.3	RAPTOR III (ZW 44)	5.6	4.7	5.1
MET 6 SEL	5.7	4.9	5.3	FALCON V	5.5	4.7	5.1
PST-5EV2	5.6	4.9	5.3	PSG-8BP2	5.4	4.8	5.1
MET-3	5.7	4.9	5.3	PPG-TF-138	5.5	4.7	5.1
FRONTLINE (EXP TF-09)	5.5	5.0	5.3	ROCKWELL (LTP-TWUU)	5.5	4.7	5.1
REFLECTION (U45)	5.7	4.8	5.3	BAR FA 121091	5.3	4.9	5.1
PSG-TT4	5.5	5.0	5.2	RAD-TF-89	5.5	4.7	5.1
IS-TF 276 M2	5.6	4.9	5.2	GO-DFR	5.4	4.8	5.1
FESNOVA	5.6	4.9	5.2	PPG-TF-170	5.5	4.7	5.1
BAR FA 120878	5.3	5.1	5.2	IS-TF-287	5.5	4.7	5.1
GTO (BURL TF-2)	5.6	4.8	5.2	CATALYST	5.5	4.7	5.1
JS 819	5.5	5.0	5.2	IS-TF 269 SEL	5.5	4.7	5.1
TRAVERSE 2 SRP (W45)	5.7	4.8	5.2	BAR FA 121095	5.4	4.8	5.1
WARHAWK	5.4	5.0	5.2	TECHNIQUE (RZ2)	5.5	4.6	5.1
MAESTRO (T31)	5.6	4.8	5.2	F711	5.5	4.6	5.1
PPG-TF-172	5.6	4.8	5.2	ATF 1612	5.5	4.7	5.1
TITANIUM 2LS (PPG-TF-152)	5.6	4.8	5.2	TEMPLE (DZ1)	5.5	4.7	5.1
AVENGER II (PPG-TF-156)	5.6	4.8	5.2	IS-TF 272	5.4	4.7	5.1
RAIN DANCE (PST-5SDT)	5.5	4.9	5.2	ATF 1704	5.4	4.7	5.1
MET 1	5.6	4.8	5.2	HOVER (BURL TF-69)	5.4	4.7	5.1

TABLE 4. TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS 1/
 Taken from the 2012 Tall Fescue test 2014 data report with permission from NTEP
 (CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */

2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NE1	OK1	MEAN
K12-05	5.4	4.7	5.0
PST-5DZP	5.4	4.7	5.0
BLACK TAIL (PPG-TF-150)	5.5	4.6	5.0
IS-TF 285	5.4	4.7	5.0
IS-TF 308 SEL	5.5	4.6	5.0
SCREAMER LS (PPG-TF-148)	5.4	4.6	5.0
BULLSEYE	5.4	4.6	5.0
PICK-W43	5.4	4.5	5.0
REGENERATE	5.5	4.5	5.0
HEMI	5.4	4.5	5.0
B23	5.4	4.5	5.0
JS 818	5.3	4.6	5.0
RAD-TF-83	5.3	4.6	4.9
AQUADUCT	5.2	4.7	4.9
ANNIHILATOR	5.2	4.6	4.9
FIREWALL (PSG-WE1)	5.4	4.5	4.9
MERIDIAN (PST-5GRB)	5.3	4.5	4.9
HOT ROD (BURL TF-136)	5.4	4.4	4.9
JS 809	5.1	4.5	4.8
K12-13	5.1	4.6	4.8
RAD-TF-92	5.2	4.4	4.8
MARAUDER	5.0	4.4	4.7
RAD-TF-88	5.2	4.3	4.7
COMP. RES. SST	5.0	4.3	4.7
204 RES. BLK4	4.9	4.2	4.5
KY-31	4.2	4.0	4.1
LSD VALUE	0.8	0.8	0.8
C.V. (%)	8.5	9.8	9.1

* ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN AT THIRTEEN LOCATIONS IN THE U.S. 1/
 MAINTAINED USING "SCHEDULE A" **
 2014 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												MEAN	
	AR1	CA3	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	PA1	OK1		TN1
TRAVERSE 2 SRP (W45)	7.7	6.1	5.1	7.6	6.5	6.1	6.7	5.5	8.1	6.0	8.2	4.9	7.4	6.6
TITANIUM 2LS (PPG-TF-152)	7.3	6.0	5.7	7.0	6.0	6.1	7.1	5.6	7.8	6.3	7.8	4.9	7.6	6.6
4TH MILLENNIUM SRP (U43)	7.5	6.9	4.8	7.3	6.7	6.0	7.0	5.6	7.2	6.0	7.9	4.4	7.9	6.5
RAPTOR III (ZW 44)	7.3	6.4	4.7	7.7	7.1	6.1	6.3	5.5	7.7	5.7	8.2	4.7	7.7	6.5
MET 1	7.1	5.9	5.4	7.3	6.4	6.3	6.5	5.7	8.1	6.0	7.8	4.8	7.7	6.5
REGENERATE	7.4	6.9	4.8	7.8	7.0	6.1	6.1	5.2	7.8	6.5	7.9	3.8	7.3	6.5
AVENGER II (PPG-TF-156)	7.7	5.4	5.4	6.8	6.3	6.1	6.6	5.6	7.7	6.3	7.7	5.2	7.5	6.5
TECHNIQUE (RZ2)	7.4	6.1	4.7	7.2	6.2	6.2	7.0	5.9	8.1	5.3	7.8	5.0	7.4	6.5
CCR2	7.7	6.3	4.6	7.3	6.6	6.2	6.4	5.4	7.6	6.0	8.0	4.6	7.4	6.5
REFLECTION (U45)	7.4	6.1	5.5	7.3	6.4	5.9	6.0	5.6	7.1	6.0	7.7	4.9	7.6	6.4
PPG-TF-135	7.2	6.0	5.8	7.3	6.5	6.0	6.7	5.0	7.4	5.5	7.3	5.0	7.6	6.4
F711	7.9	5.9	4.6	7.0	6.1	5.8	6.6	5.2	8.3	5.7	7.4	5.0	7.8	6.4
HEMI	7.3	6.4	5.4	6.8	6.2	5.8	6.2	5.5	7.8	5.8	8.3	4.6	7.3	6.4
GTO (BURL TF-2)	6.8	6.2	5.9	7.2	6.0	5.9	6.8	5.3	7.7	5.8	7.1	4.9	7.7	6.4
PPG-TF-137	7.4	6.1	5.3	7.1	6.6	5.9	6.5	5.2	7.3	6.0	7.7	4.8	7.4	6.4
ROCKWELL (LTP-TWUU)	7.1	5.8	5.0	7.3	6.5	5.9	6.8	5.8	7.7	6.0	7.3	4.6	7.4	6.4
HOT ROD (BURL TF-136)	6.7	6.1	4.5	7.4	6.5	5.9	6.9	5.1	7.9	5.8	8.1	4.9	7.5	6.4
THOR (PPG-TF-157)	7.4	5.9	5.1	7.4	6.2	5.9	6.4	5.9	7.3	6.0	6.8	5.2	7.8	6.4
PICK-W43	7.5	5.3	4.6	7.5	6.7	5.9	6.2	5.5	7.8	6.1	7.9	4.7	7.3	6.4
IS-TF 311	7.4	6.3	5.3	6.9	6.3	5.9	6.7	5.5	7.6	5.4	7.2	5.1	7.4	6.4
IS-TF 308 SEL	7.3	6.0	5.4	6.8	5.9	5.9	6.6	5.3	7.6	5.6	8.1	4.6	7.7	6.4
BIZEM	7.3	6.4	5.1	7.4	5.9	6.0	6.6	5.8	7.4	5.5	7.4	4.7	7.1	6.3
FAYETTE (IS-TF 291)	7.7	5.7	4.8	7.5	6.4	5.9	5.8	5.6	7.2	5.3	7.9	4.9	7.7	6.3
MAESTRO (T31)	7.5	6.1	5.2	7.0	6.6	5.9	6.0	5.6	7.1	5.4	7.6	5.1	7.3	6.3
MET-3	7.5	6.3	5.0	6.9	6.2	6.3	6.8	5.4	6.9	5.8	7.0	4.7	7.3	6.3
ROWDY (SRX-TPC)	7.8	6.1	4.4	6.8	6.5	6.1	6.6	5.9	7.3	5.5	6.7	5.1	7.4	6.3
FIREWALL (PSG-WE1)	7.4	5.7	4.4	6.9	6.3	5.9	6.3	5.9	8.0	5.8	7.7	4.4	7.6	6.3
MET 6 SEL	7.5	6.2	4.9	6.8	6.0	6.1	6.7	5.7	7.0	5.4	7.1	5.0	7.3	6.3
DIABLO (IS-TF 330)	7.5	6.0	5.0	7.6	5.8	5.8	6.4	5.9	7.3	5.4	6.7	5.0	7.5	6.3
BLACK TAIL (PPG-TF-150)	7.3	6.2	4.6	7.1	6.0	6.1	6.3	5.3	8.1	5.5	7.1	5.0	7.1	6.3
PPG-TF-172	7.0	5.6	5.0	7.1	6.1	5.9	6.9	5.7	7.4	5.8	6.7	5.3	7.4	6.3
PPG-TF-170	7.1	5.9	5.5	6.6	6.2	6.0	6.1	5.5	7.0	6.1	7.4	4.4	7.5	6.3
PPG-TF-169	7.1	6.3	5.2	7.1	6.2	5.9	6.4	5.1	6.9	5.7	7.4	4.7	7.6	6.3
JS 916	7.3	6.3	4.9	7.2	5.9	6.1	6.4	5.8	7.1	5.2	7.4	4.9	6.9	6.3
PST-5EV2	7.6	6.1	5.5	6.9	5.8	6.0	6.1	5.3	7.4	5.3	6.4	5.6	7.3	6.3
GRANDE 3	7.3	5.7	5.0	6.7	6.5	5.7	6.6	5.5	7.1	5.7	7.1	5.0	7.6	6.3
B23	7.2	6.4	3.8	7.4	6.0	6.0	6.4	5.4	7.7	5.4	7.6	4.6	7.6	6.3
PSG-P01	7.5	6.1	4.7	7.3	6.8	5.9	6.3	5.4	6.2	5.2	7.8	4.6	7.5	6.3
FIREBIRD 2	7.2	5.9	5.4	6.9	6.2	6.3	5.8	5.2	7.6	5.6	6.4	5.0	7.6	6.2
SCREAMER LS (PPG-TF-148)	6.6	5.9	4.9	6.8	5.8	6.1	6.5	5.7	7.2	5.8	7.7	4.5	7.5	6.2
TURFWAY (IS-TF 282 M2)	8.0	6.0	5.5	6.6	5.5	5.9	5.9	5.6	6.9	5.6	6.7	5.2	7.3	6.2
XTENDER (PPG-TF-139)	7.8	6.1	5.2	7.0	5.6	6.0	6.1	5.4	6.6	5.3	7.2	5.1	7.4	6.2
ATF 1612	7.0	6.2	5.1	7.1	5.9	5.8	6.2	5.4	7.1	5.6	7.1	4.5	7.7	6.2
IS-TF 307 SEL	7.2	5.7	5.1	7.1	5.9	6.0	6.2	5.5	7.4	5.2	6.6	5.3	7.3	6.2

TABLE 5. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN AT THIRTEEN LOCATIONS IN THE U.S. 1/
 MAINTAINED USING "SCHEDULE A" **
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AR1	CA3	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	PA1	OK1	TN1	MEAN
FIRECRACKER SLS (PPG-TF-105)	7.0	5.8	4.9	7.1	6.1	5.9	6.2	5.5	7.0	5.8	6.8	4.8	7.6	6.2
TEMPLE (DZ1)	6.8	6.0	4.7	7.0	6.0	5.9	6.5	5.4	6.9	5.7	7.1	4.9	7.6	6.2
LEONARDO (LTP-FSD)	7.4	5.9	5.2	6.9	5.8	6.1	6.5	5.8	7.0	5.5	5.9	4.9	7.5	6.2
IS-TF 310 SEL	7.0	6.1	5.6	6.3	5.7	6.1	6.1	5.5	6.5	5.6	7.0	5.2	7.5	6.2
W41	6.7	6.3	4.6	7.3	6.0	6.0	5.9	5.3	6.9	5.8	7.3	4.9	7.3	6.2
FOXHOUND (IS-TF 284 M2)	7.0	6.0	5.4	6.9	5.6	6.1	5.9	5.5	6.9	5.3	7.0	5.3	7.2	6.2
IS-TF 269 SEL	6.7	5.6	5.2	7.2	5.5	6.1	5.8	5.7	6.7	5.9	7.0	5.1	7.5	6.2
RHAMBLER 2 SRP (LSD)	7.4	6.0	4.3	7.2	6.7	5.6	6.1	5.6	7.2	4.4	6.8	5.0	7.5	6.1
PPG-TF-151	6.9	5.7	5.7	7.0	6.1	5.9	6.4	5.6	6.6	5.1	6.3	5.1	7.4	6.1
ATF 1704	7.4	5.9	5.6	6.5	5.2	5.8	6.4	5.5	7.0	5.2	7.1	4.7	7.3	6.1
MICHELANGELO (LTP-F5DPDR)	7.4	6.0	5.0	6.9	5.7	6.1	6.6	5.8	6.6	5.0	5.9	5.1	7.6	6.1
IS-TF 289	7.0	6.2	5.5	7.7	5.5	6.0	6.2	5.5	6.9	4.6	6.3	4.9	7.2	6.1
MERIDIAN (PST-5GRB)	7.2	5.7	4.8	6.9	5.3	6.1	6.3	5.7	8.0	4.8	6.4	5.0	7.3	6.1
PPG-TF-138	7.0	5.9	4.8	6.8	6.0	6.0	6.4	5.4	6.5	5.2	7.0	4.7	7.2	6.1
FAITH	7.1	5.9	4.8	7.0	5.6	6.1	6.4	5.5	6.4	5.3	6.7	5.0	7.2	6.1
ATF 1754	7.3	5.3	5.5	7.2	5.8	6.0	6.0	5.6	6.8	5.2	6.6	4.3	7.5	6.1
IS-TF 305 SEL	7.8	5.8	5.5	6.6	5.5	5.9	5.7	5.5	6.6	4.8	6.9	4.9	7.5	6.1
IS-TF-287	7.7	6.3	4.9	6.4	5.5	5.8	5.9	5.5	6.8	5.0	6.8	4.8	7.4	6.1
FALCON V	6.9	6.1	4.8	7.3	5.7	5.8	6.1	5.9	6.6	4.9	7.1	4.4	7.3	6.1
FESNOVA	7.7	6.3	4.2	7.2	5.4	5.9	6.0	5.6	6.8	5.0	6.3	5.0	7.2	6.0
KINGDOM (DB1)	6.5	6.1	5.0	7.3	5.3	6.0	6.2	5.6	6.1	5.8	6.7	4.3	7.5	6.0
BULLSEYE	7.4	5.7	4.5	7.0	6.1	5.8	5.5	5.2	7.3	5.2	6.2	4.8	7.3	6.0
RAD-TF-89	6.5	6.5	4.5	7.2	5.7	5.9	6.3	5.6	6.7	5.3	6.4	4.2	7.1	6.0
ATF 1736	7.4	6.3	5.3	6.8	5.5	5.8	5.6	5.6	6.5	4.6	6.6	4.7	7.4	6.0
THUNDERSTRUCK (TD1)	7.1	5.7	4.8	7.3	5.4	6.0	5.7	5.7	6.1	5.5	6.2	4.9	7.5	6.0
TERRANO	7.2	6.7	4.6	6.8	6.1	6.0	6.5	5.6	5.4	4.6	5.2	5.5	7.5	6.0
RAD-TF-92	7.0	5.9	4.3	6.8	5.6	5.9	6.2	5.8	6.8	5.4	7.1	3.6	7.2	6.0
PST-5MVD	7.3	6.3	5.1	6.8	5.4	5.9	6.3	5.6	6.0	4.8	6.1	5.2	6.9	6.0
K12-MCD	7.4	6.1	5.1	6.7	5.2	5.8	6.1	5.8	5.9	5.0	6.0	5.2	7.4	6.0
IS-TF 285	7.1	5.3	5.2	6.9	5.6	5.9	5.8	5.6	5.8	5.2	7.1	4.7	7.3	6.0
RAD-TF-88	6.5	5.9	5.0	6.4	5.5	5.9	5.9	5.5	7.1	5.8	7.0	3.3	7.3	5.9
HOVER (BURL TF-69)	6.1	5.9	4.7	6.6	6.0	6.0	6.1	5.6	6.5	5.2	6.9	4.2	7.3	5.9
CATALYST	6.9	6.2	4.0	7.1	6.1	6.0	6.4	5.5	6.4	4.7	6.2	4.2	7.4	5.9
PST-5BPO	7.3	6.2	5.4	6.8	5.6	5.8	6.2	5.8	6.0	4.5	5.4	5.0	7.1	5.9
PST-5BRK	7.2	6.2	5.6	6.9	5.9	5.8	5.6	5.7	5.7	4.6	5.1	5.1	7.4	5.9
PPG-TF-115	7.4	5.9	5.4	6.7	5.7	5.8	5.4	5.8	5.9	4.8	5.4	5.0	7.5	5.9
IS-TF 272	7.0	6.3	4.5	6.8	5.5	6.1	5.5	5.1	6.0	5.0	6.7	4.9	7.4	5.9
IS-TF 276 M2	6.5	5.6	5.3	7.2	5.2	5.8	6.3	5.8	5.8	4.6	6.2	4.9	7.3	5.9
ARES (PPG-TF-142)	6.9	6.0	4.7	6.9	5.3	5.8	5.5	5.4	5.7	4.5	6.9	5.2	7.4	5.9
CAESAR (TY 10)	7.3	5.9	4.8	7.1	5.7	5.9	6.2	5.5	5.6	4.5	5.3	4.9	7.6	5.9
K12-05	6.7	5.6	5.5	7.0	5.6	5.9	5.9	5.2	5.7	5.3	6.0	4.7	6.9	5.8
SALTILLO (PST-5SALT)	7.0	5.7	5.1	6.8	5.7	5.8	5.8	5.3	6.4	4.5	5.7	5.0	7.2	5.8
DYNAMITE LS (PPG-TF-145)	7.6	6.1	4.5	7.1	5.5	5.7	5.6	5.5	5.9	4.0	6.2	4.7	7.4	5.8
SWAGGER (PST-5R05)	7.3	5.8	4.7	6.7	5.2	5.8	5.6	5.6	5.7	4.4	6.0	5.1	7.3	5.8
PST-5EX2	7.1	6.0	5.5	6.7	5.5	5.7	6.1	5.8	4.9	3.3	5.6	5.4	7.4	5.8

TABLE 5. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS GROWN AT THIRTEEN LOCATIONS IN THE U.S. 1/ MAINTAINED USING "SCHEDULE A" ** 2014 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												MEAN	
	AR1	CA3	GA1	IA1	MD1	MS1	NC1	NE1	NJ1	NJ2	PA1	OK1		TN1
GO-DFR	6.6	5.9	4.8	6.6	5.1	5.7	5.9	5.4	6.1	4.7	5.4	5.1	7.1	5.7
TEMPTATION (OR-21)	6.9	5.5	4.1	6.9	5.6	5.8	6.0	5.7	5.4	4.3	5.2	5.3	7.4	5.7
PSG-GSD	7.1	5.6	4.8	6.7	4.6	5.8	5.9	5.5	6.0	4.2	5.2	5.0	7.3	5.7
PST-5DZP	6.7	5.6	4.5	6.6	5.1	5.8	5.3	5.8	6.4	4.2	5.6	4.9	7.1	5.7
FALCON IV	7.1	6.3	4.3	6.8	5.4	5.6	5.6	5.8	5.0	4.0	5.0	5.1	7.4	5.7
RAIN DANCE (PST-5SDT)	6.1	5.6	5.2	6.6	4.7	5.8	6.2	5.5	5.5	4.0	5.4	5.3	6.9	5.6
RAD-TF-83	6.7	6.0	4.6	6.8	5.0	5.8	5.5	5.3	5.4	5.3	5.6	3.7	7.1	5.6
BAR FA 121095	7.0	5.9	5.0	6.3	5.1	5.8	5.0	5.4	5.5	4.6	5.3	4.6	7.1	5.6
PSG-TT4	6.8	5.9	5.0	6.5	5.2	5.7	6.2	5.4	5.0	4.1	5.0	4.7	6.9	5.6
INSPIRATION (PST-R5NW)	6.8	6.0	4.7	6.9	4.7	5.8	5.8	5.7	4.8	3.3	4.9	5.3	7.1	5.5
PSG-8BP2	6.7	5.6	4.7	6.3	5.0	5.9	5.1	5.6	5.3	4.0	5.4	5.1	7.0	5.5
BAR FA 121089	6.9	5.4	4.5	6.6	5.3	5.8	6.1	5.4	4.1	4.3	5.0	4.9	7.2	5.5
FRONTLINE (EXP TF-09)	7.0	5.7	4.1	6.9	4.9	5.7	5.6	5.7	4.6	4.2	4.7	5.1	6.9	5.5
JS 818	6.0	5.7	3.5	6.5	5.5	5.7	5.5	5.5	5.4	4.2	5.4	4.8	7.3	5.5
ANNIHILATOR	7.1	6.1	4.1	5.8	4.5	5.7	5.9	5.5	4.8	4.3	5.7	3.9	7.2	5.4
JS 809	5.5	5.6	4.6	6.8	5.1	5.6	5.6	5.2	5.3	4.1	5.4	4.6	6.8	5.4
JS 819	6.3	5.6	4.9	6.5	5.1	5.8	5.4	5.4	4.6	4.2	4.8	5.0	6.9	5.4
K12-13	6.9	5.7	5.1	6.2	4.8	5.6	5.0	5.2	5.2	4.3	5.0	4.6	6.7	5.4
COMP. RES. SST	6.3	5.6	4.7	6.1	4.5	5.6	5.8	5.3	5.3	4.9	5.6	2.7	7.6	5.4
204 RES. BLK4	6.0	6.1	4.1	6.0	4.4	5.8	5.1	5.2	6.2	4.1	5.6	3.6	7.4	5.3
WARHAWK	6.7	5.9	4.6	6.2	4.2	5.8	5.7	5.6	3.9	3.8	4.4	4.7	7.3	5.3
AQUADUCT	6.3	5.6	3.9	6.1	4.8	5.6	5.7	5.5	4.3	3.5	4.8	5.1	6.9	5.2
MARAUDER	6.5	5.5	4.1	6.0	4.3	5.8	5.3	5.4	5.0	4.5	5.0	3.2	7.4	5.2
JS 825	6.8	5.4	4.3	6.4	4.6	5.6	5.3	5.2	4.0	3.4	4.2	4.9	6.7	5.1
BAR FA 121091	6.3	5.3	4.3	6.1	5.2	5.6	5.7	5.1	4.0	3.4	4.2	4.4	7.1	5.1
BAR FA 120878	6.3	5.7	4.8	5.9	4.0	5.4	4.9	4.8	1.9	2.0	3.0	5.1	6.8	4.7
KY-31	5.2	4.3	4.0	4.0	3.1	4.3	3.1	4.0	1.4	1.3	1.3	5.0	5.8	3.6
LSD VALUE	0.9	0.8	1.2	0.6	0.7	0.3	0.9	0.5	1.0	0.8	1.0	0.6	0.5	0.2
C.V. (%)	7.8	8.5	15.4	5.8	7.4	3.2	8.9	6.0	9.4	9.6	9.2	7.6	4.1	8.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

* SCHEDULE A (MEDIUM MAINTENANCE)

1. MOWING HEIGHT: 2.0" TO 3.0"
2. NITROGEN RATE: 0.25 - 0.5 LBS. N/1000 SQ. FT./GROWING MONTH (USE 3-6 APPLICATIONS PER YEAR - NOT MONTHLY APPLICATIONS)
3. IRRIGATION: 80 - 95% POTENTIAL ET;
4. FUNGICIDE AND INSECTICIDE USE ONLY IF SEVERE STAND LOSS IS POSSIBLE
5. WEED CONTROL TO PREVENT STAND LOSS

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT SIX LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE B" *
2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
TRAVERSE 2 SRP (W45)	6.7	5.6	6.6	6.8	6.7	7.0	6.6
CCR2	6.1	6.4	6.8	6.7	6.0	7.5	6.6
MET 1	6.2	6.3	6.7	6.8	5.9	7.4	6.6
4TH MILLENNIUM SRP (U43)	6.9	5.8	6.9	6.7	5.9	7.1	6.6
THOR (PPG-TF-157)	7.6	5.3	6.8	6.7	6.3	6.5	6.5
W41	7.1	6.4	6.4	6.7	5.5	7.0	6.5
TITANIUM 2LS (PPG-TF-152)	6.5	6.0	6.7	6.7	6.0	7.0	6.5
AVENGER II (PPG-TF-156)	6.3	6.0	6.6	6.8	6.2	6.8	6.5
PPG-TF-169	6.2	6.3	6.6	6.8	6.0	6.9	6.5
RAPTOR III (ZW 44)	6.9	6.0	6.1	6.6	6.0	7.0	6.4
PPG-TF-170	6.4	6.3	6.9	6.8	5.3	6.9	6.4
IS-TF 307 SEL	6.2	5.4	6.6	6.7	5.9	7.7	6.4
IS-TF 305 SEL	6.4	5.9	6.6	6.6	6.2	6.8	6.4
PPG-TF-135	6.7	5.9	6.3	6.7	6.2	6.6	6.4
HOVER (BURL TF-69)	7.0	5.9	6.3	6.6	5.5	7.1	6.4
MET 6 SEL	6.4	5.8	6.6	6.8	5.8	7.1	6.4
HEMI	6.7	6.0	6.5	6.8	5.8	6.7	6.4
F711	6.4	6.2	6.5	6.8	5.7	6.8	6.4
GTO (BURL TF-2)	6.2	6.5	6.3	6.6	6.0	6.6	6.4
PPG-TF-137	6.7	6.2	6.6	6.8	5.3	6.7	6.4
REFLECTION (U45)	6.9	5.8	6.4	6.8	5.7	6.5	6.4
FAYETTE (IS-TF 291)	6.6	5.8	6.8	6.9	5.0	7.0	6.4
ROWDY (SRX-TPC)	6.9	5.6	6.5	6.7	5.4	7.0	6.3
FAITH	6.4	6.0	6.2	6.6	5.7	7.1	6.3
MAESTRO (T31)	6.6	5.9	6.3	6.8	6.0	6.3	6.3
PICK-W43	6.8	6.0	6.4	6.8	5.2	6.6	6.3
BLACK TAIL (PPG-TF-150)	6.2	6.4	6.5	6.7	5.1	7.1	6.3
PSG-P01	6.1	5.9	6.5	6.8	5.8	6.9	6.3
IS-TF 310 SEL	7.2	5.4	6.5	6.5	5.6	6.7	6.3
REGENERATE	5.8	6.1	6.7	6.7	5.7	6.9	6.3
B23	5.9	6.3	6.8	6.6	5.5	6.7	6.3
MET-3	6.4	5.7	6.4	6.8	5.7	6.8	6.3
ROCKWELL (LTP-TWUU)	6.9	5.8	6.2	6.9	5.7	6.3	6.3
SCREAMER LS (PPG-TF-148)	6.3	5.6	6.4	6.5	5.7	7.0	6.3
FIREWALL (PSG-WE1)	5.7	5.9	6.3	6.8	6.0	6.9	6.3
LEONARDO (LTP-FSD)	6.7	5.3	6.4	6.6	5.8	6.7	6.2
ATF 1754	6.4	6.1	6.2	6.6	5.5	6.7	6.2
FIRECRACKER SLS (PPG-TF-105)	6.6	5.9	6.7	6.6	5.4	6.4	6.2
TECHNIQUE (RZ2)	6.3	6.0	6.3	6.8	5.4	6.7	6.2
RAD-TF-89	6.0	6.0	6.4	6.5	5.5	7.0	6.2
JS 916	5.9	5.8	6.2	6.7	6.0	6.8	6.2
PPG-TF-172	5.9	5.7	6.5	6.5	5.5	7.2	6.2
K12-MCD	6.8	5.5	6.4	6.6	5.4	6.6	6.2
HOT ROD (BURL TF-136)	6.0	6.0	6.4	6.9	5.4	6.6	6.2

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test, 2014 data report with permission from NTEP
 (CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. 1/
 MAINTAINED USING "SCHEDULE B" *
 2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
IS-TF 308 SEL	6.1	5.8	6.6	6.7	5.2	6.9	6.2
GRANDE 3	6.4	5.8	6.2	6.7	6.0	6.1	6.2
FESNOVA	6.4	5.4	6.2	6.6	5.7	6.8	6.2
ATF 1612	6.1	6.0	6.3	6.5	5.4	6.8	6.2
PPG-TF-151	6.7	5.3	6.4	6.5	5.5	6.6	6.2
TEMPLE (DZ1)	5.9	5.7	6.3	6.7	6.1	6.4	6.2
RHAMBLER 2 SRP (LSD)	6.8	5.2	6.1	6.5	5.8	6.8	6.2
PST-5EV2	6.3	5.7	6.3	6.5	5.4	6.9	6.2
XTENDER (PPG-TF-139)	6.4	5.9	6.4	6.5	5.1	6.6	6.2
FALCON V	6.3	5.6	6.1	6.7	5.2	7.1	6.2
ARES (PPG-TF-142)	7.0	5.3	6.2	6.5	6.1	6.0	6.2
BIZEM	6.6	6.0	6.4	6.7	5.2	6.1	6.2
PPG-TF-138	6.0	5.3	6.6	6.6	5.9	6.6	6.2
PST-5MVD	6.4	5.8	6.4	6.4	5.6	6.3	6.2
FIREBIRD 2	6.0	5.8	6.5	6.6	5.2	6.8	6.1
IS-TF 311	6.9	5.6	6.2	6.8	5.5	5.9	6.1
PPG-TF-115	7.1	5.6	6.1	6.6	5.1	6.2	6.1
DYNAMITE LS (PPG-TF-145)	6.8	5.6	6.3	6.4	5.6	6.0	6.1
TEMPTATION (OR-21)	6.3	5.5	5.7	6.6	6.2	6.4	6.1
MICHELANGELO (LTP-F5DPDR)	6.3	6.1	6.3	6.7	5.1	6.1	6.1
CATALYST	5.6	5.8	6.3	6.6	5.4	7.0	6.1
IS-TF-287	6.6	5.6	6.1	6.5	5.1	6.6	6.1
BULLSEYE	6.3	5.6	6.2	6.7	5.6	6.2	6.1
SALTILLO (PST-5SALT)	6.5	5.9	5.9	6.5	5.1	6.6	6.1
TURFWAY (IS-TF 282 M2)	6.2	5.4	6.2	6.6	5.4	6.6	6.1
DIABLO (IS-TF 330)	6.7	5.5	6.3	6.6	5.5	5.8	6.1
SWAGGER (PST-5R05)	6.4	5.1	5.9	6.4	5.5	7.0	6.1
TERRANO	6.0	5.5	6.1	6.4	5.6	6.6	6.0
KINGDOM (DB1)	6.6	6.0	5.8	6.8	5.1	5.8	6.0
RAD-TF-88	6.3	5.8	6.1	6.7	5.1	6.1	6.0
FOXHOUND (IS-TF 284 M2)	6.7	5.7	5.7	6.5	5.3	6.0	6.0
PST-5BRK	6.6	5.3	5.9	6.4	5.2	6.5	6.0
FALCON IV	6.3	5.4	6.1	6.5	5.7	6.0	6.0
IS-TF 276 M2	6.3	5.2	6.0	6.4	5.5	6.5	6.0
IS-TF 269 SEL	6.3	5.6	6.4	6.6	5.3	5.7	6.0
ATF 1704	6.2	5.7	5.9	6.5	5.0	6.5	6.0
PST-5EX2	6.5	5.5	5.8	6.3	5.2	6.3	5.9
IS-TF 272	6.4	5.7	5.8	6.8	5.1	5.7	5.9
IS-TF 285	6.2	5.4	6.3	6.6	5.0	5.9	5.9
PST-5BP0	5.8	5.4	6.2	6.4	5.4	6.2	5.9
ATF 1736	6.0	5.7	5.9	6.5	4.7	6.6	5.9
PST-5DZP	6.3	5.3	6.1	6.4	4.9	6.5	5.9
INSPIRATION (PST-R5NW)	6.2	4.9	5.7	6.5	5.6	6.3	5.9
RAIN DANCE (PST-5SDT)	6.3	5.2	5.7	6.4	5.3	6.2	5.9
CAESAR (TY 10)	6.1	5.3	5.9	6.5	5.1	6.2	5.9

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE B" *
2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	IL1	IN1	KY1	MO1	VA1	MEAN
IS-TF 289	5.9	5.8	6.0	6.5	5.0	5.9	5.9
PSG-GSD	6.3	5.4	6.1	6.5	5.1	5.6	5.8
THUNDERSTRUCK (TD1)	6.3	5.6	5.7	6.3	5.4	5.5	5.8
RAD-TF-92	5.7	5.3	6.0	6.5	5.1	6.0	5.8
JS 818	6.3	5.5	5.9	6.3	5.0	5.6	5.8
PSG-TT4	6.0	5.0	5.8	6.2	5.0	6.6	5.8
JS 819	6.1	5.4	5.6	6.3	5.2	6.0	5.8
BAR FA 121095	5.7	5.5	5.6	6.4	5.9	5.5	5.8
MERIDIAN (PST-5GRB)	5.2	5.2	6.3	6.3	4.9	6.4	5.7
PSG-8BP2	6.2	5.2	5.6	6.4	5.3	5.7	5.7
K12-05	5.8	5.2	5.5	6.5	5.6	5.7	5.7
RAD-TF-83	6.4	5.0	5.6	6.5	5.1	5.6	5.7
GO-DFR	5.9	4.9	6.1	6.4	5.2	5.6	5.7
BAR FA 121091	5.8	5.4	5.7	6.3	5.0	5.6	5.6
FRONTLINE (EXP TF-09)	5.9	4.9	5.5	6.5	5.0	5.8	5.6
ANNIHILATOR	6.1	4.9	5.6	6.2	4.8	6.0	5.6
JS 809	5.6	5.0	5.7	6.1	5.5	5.3	5.5
BAR FA 121089	5.8	5.0	5.4	6.5	5.2	5.1	5.5
JS 825	6.0	4.7	5.4	6.2	5.0	5.7	5.5
MARAUDER	5.3	5.4	5.4	6.3	4.9	5.8	5.5
COMP. RES. SST	5.9	4.8	5.4	6.4	4.3	5.8	5.4
WARHAWK	5.2	5.0	5.4	6.2	4.6	6.1	5.4
204 RES. BLK4	4.9	4.6	5.4	6.2	4.6	6.1	5.3
AQUADUCT	5.2	4.4	5.4	6.0	4.1	6.2	5.2
K12-13	4.9	4.4	5.4	6.2	4.8	4.8	5.1
BAR FA 120878	5.4	4.4	4.9	5.8	4.8	5.1	5.1
KY-31	2.9	3.2	4.0	3.8	3.4	5.2	3.8
LSD VALUE	1.0	0.7	0.5	0.3	0.9	0.9	0.3
C.V. (%)	9.7	8.1	4.8	2.5	10.7	8.4	7.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

*/ SCHEDULE B (LOW MAINTENANCE)

1. MOWING HEIGHT: 2.5" TO 3.5"
2. NITROGEN RATE: 0 - 0.25 LBS. N/1000 SQ. FT./GROWING MONTH (USE 2-4 APPLICATIONS PER YEAR - NOT MONTHLY APPLICATIONS)
3. IRRIGATION: 50 - 65% POTENTIAL ET;
4. NO FUNGICIDES OR INSECTICIDES USED
5. MINIMUM WEED CONTROL TO PREVENT STAND LOSS

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS GROWN AT FOUR LOCATIONS 1/ IN THE NORTHEAST REGION 2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	NJ1	NJ2	PA1	MEAN
TRAVERSE 2 SRP (W45)	6.7	8.1	6.0	8.2	7.3
PICK-W43	6.8	7.8	6.1	7.9	7.2
HEMI	6.7	7.8	5.8	8.3	7.1
RAPTOR III (ZW 44)	6.9	7.7	5.7	8.2	7.1
TITANIUM 2LS (PPG-TF-152)	6.5	7.8	6.3	7.8	7.1
MET 1	6.2	8.1	6.0	7.8	7.0
4TH MILLENNIUM SRP (U43)	6.9	7.2	6.0	7.9	7.0
REGENERATE	5.8	7.8	6.5	7.9	7.0
ROCKWELL (LTP-TWUU)	6.9	7.7	6.0	7.3	7.0
AVENGER II (PPG-TF-156)	6.3	7.7	6.3	7.7	7.0
HOT ROD (BURL TF-136)	6.0	7.9	5.8	8.1	7.0
F711	6.4	8.3	5.7	7.4	6.9
REFLECTION (U45)	6.9	7.1	6.0	7.7	6.9
CCR2	6.1	7.6	6.0	8.0	6.9
PPG-TF-137	6.7	7.3	6.0	7.7	6.9
THOR (PPG-TF-157)	7.6	7.3	6.0	6.8	6.9
TECHNIQUE (RZ2)	6.3	8.1	5.3	7.8	6.9
IS-TF 308 SEL	6.1	7.6	5.6	8.1	6.8
IS-TF 311	6.9	7.6	5.4	7.2	6.8
W41	7.1	6.9	5.8	7.3	6.8
FIREWALL (PSG-WE1)	5.7	8.0	5.8	7.7	6.8
FAYETTE (IS-TF 291)	6.6	7.2	5.3	7.9	6.8
SCREAMER LS (PPG-TF-148)	6.3	7.2	5.8	7.7	6.8
PPG-TF-135	6.7	7.4	5.5	7.3	6.7
BLACK TAIL (PPG-TF-150)	6.2	8.1	5.5	7.1	6.7
PPG-TF-170	6.4	7.0	6.1	7.4	6.7
BIZEM	6.6	7.4	5.5	7.4	6.7
GTO (BURL TF-2)	6.2	7.7	5.8	7.1	6.7
MAESTRO (T31)	6.6	7.1	5.4	7.6	6.7
B23	5.9	7.7	5.4	7.6	6.7
GRANDE 3	6.4	7.1	5.7	7.1	6.6
ROWDY (SRX-TPC)	6.9	7.3	5.5	6.7	6.6
IS-TF 310 SEL	7.2	6.5	5.6	7.0	6.6
PPG-TF-169	6.2	6.9	5.7	7.4	6.6
RAD-TF-88	6.3	7.1	5.8	7.0	6.5
MET-3	6.4	6.9	5.8	7.0	6.5
FIRECRACKER SLS (PPG-TF-105)	6.6	7.0	5.8	6.8	6.5
DIABLO (IS-TF 330)	6.7	7.3	5.4	6.7	6.5
MET 6 SEL	6.4	7.0	5.4	7.1	6.5
ATF 1612	6.1	7.1	5.6	7.1	6.5
FOXHOUND (IS-TF 284 M2)	6.7	6.9	5.3	7.0	6.5
IS-TF 269 SEL	6.3	6.7	5.9	7.0	6.5
JS 916	5.9	7.1	5.2	7.4	6.4
PPG-TF-172	5.9	7.4	5.8	6.7	6.4

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test, 2014 data report with permission from NTEP
 (CONT'D)
 GROWN AT FOUR LOCATIONS 1/
 IN THE NORTHEAST REGION
 2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	NJ1	NJ2	PA1	MEAN
FIREBIRD 2	6.0	7.6	5.6	6.4	6.4
TEMPLE (DZ1)	5.9	6.9	5.7	7.1	6.4
HOVER (BURL TF-69)	7.0	6.5	5.2	6.9	6.4
XTENDER (PPG-TF-139)	6.4	6.6	5.3	7.2	6.4
ATF 1704	6.2	7.0	5.2	7.1	6.4
PST-5EV2	6.3	7.4	5.3	6.4	6.4
IS-TF 307 SEL	6.2	7.4	5.2	6.6	6.3
PSG-P01	6.1	6.2	5.2	7.8	6.3
TURFWAY (IS-TF 282 M2)	6.2	6.9	5.6	6.7	6.3
RHAMBLER 2 SRP (LSD)	6.8	7.2	4.4	6.8	6.3
IS-TF-287	6.6	6.8	5.0	6.8	6.3
LEONARDO (LTP-FSD)	6.7	7.0	5.5	5.9	6.3
KINGDOM (DB1)	6.6	6.1	5.8	6.7	6.3
BULLSEYE	6.3	7.3	5.2	6.2	6.3
RAD-TF-92	5.7	6.8	5.4	7.1	6.3
ATF 1754	6.4	6.8	5.2	6.6	6.3
FALCON V	6.3	6.6	4.9	7.1	6.2
FAITH	6.4	6.4	5.3	6.7	6.2
PPG-TF-151	6.7	6.6	5.1	6.3	6.2
PPG-TF-138	6.0	6.5	5.2	7.0	6.2
IS-TF 305 SEL	6.4	6.6	4.8	6.9	6.2
FESNOVA	6.4	6.8	5.0	6.3	6.1
MERIDIAN (PST-5GRB)	5.2	8.0	4.8	6.4	6.1
RAD-TF-89	6.0	6.7	5.3	6.4	6.1
IS-TF 285	6.2	5.8	5.2	7.1	6.1
ARES (PPG-TF-142)	7.0	5.7	4.5	6.9	6.0
THUNDERSTRUCK (TD1)	6.3	6.1	5.5	6.2	6.0
IS-TF 272	6.4	6.0	5.0	6.7	6.0
IS-TF 289	5.9	6.9	4.6	6.3	6.0
MICHELANGELO (LTP-F5DPDR)	6.3	6.6	5.0	5.9	5.9
K12-MCD	6.8	5.9	5.0	6.0	5.9
ATF 1736	6.0	6.5	4.6	6.6	5.9
PST-5MVD	6.4	6.0	4.8	6.1	5.8
PPG-TF-115	7.1	5.9	4.8	5.4	5.8
SALTILLO (PST-5SALT)	6.5	6.4	4.5	5.7	5.8
DYNAMITE LS (PPG-TF-145)	6.8	5.9	4.0	6.2	5.7
CATALYST	5.6	6.4	4.7	6.2	5.7
IS-TF 276 M2	6.3	5.8	4.6	6.2	5.7
K12-05	5.8	5.7	5.3	6.0	5.7
RAD-TF-83	6.4	5.4	5.3	5.6	5.7
PST-5DZP	6.3	6.4	4.2	5.6	5.6
SWAGGER (PST-5R05)	6.4	5.7	4.4	6.0	5.6
GO-DFR	5.9	6.1	4.7	5.4	5.6
PST-5BRK	6.6	5.7	4.6	5.1	5.5
PSG-GSD	6.3	6.0	4.2	5.2	5.4

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT FOUR LOCATIONS 1/
IN THE NORTHEAST REGION
2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	NJ1	NJ2	PA1	MEAN
PST-5BPO	5.8	6.0	4.5	5.4	5.4
COMP. RES. SST	5.9	5.3	4.9	5.6	5.4
CAESAR (TY 10)	6.1	5.6	4.5	5.3	5.4
JS 818	6.3	5.4	4.2	5.4	5.3
RAIN DANCE (PST-5SDT)	6.3	5.5	4.0	5.4	5.3
TERRANO	6.0	5.4	4.6	5.2	5.3
TEMPTATION (OR-21)	6.3	5.4	4.3	5.2	5.3
BAR FA 121095	5.7	5.5	4.6	5.3	5.3
PSG-8BP2	6.2	5.3	4.0	5.4	5.2
ANNIHILATOR	6.1	4.8	4.3	5.7	5.2
204 RES. BLK4	4.9	6.2	4.1	5.6	5.2
JS 809	5.6	5.3	4.1	5.4	5.1
FALCON IV	6.3	5.0	4.0	5.0	5.1
PST-5EX2	6.5	4.9	3.3	5.6	5.1
PSG-TT4	6.0	5.0	4.1	5.0	5.0
MARAUDER	5.3	5.0	4.5	5.0	4.9
JS 819	6.1	4.6	4.2	4.8	4.9
K12-13	4.9	5.2	4.3	5.0	4.9
FRONTLINE (EXP TF-09)	5.9	4.6	4.2	4.7	4.8
BAR FA 121089	5.8	4.1	4.3	5.0	4.8
INSPIRATION (PST-R5NW)	6.2	4.8	3.3	4.9	4.8
AQUADUCT	5.2	4.3	3.5	4.8	4.4
JS 825	6.0	4.0	3.4	4.2	4.4
BAR FA 121091	5.8	4.0	3.4	4.2	4.4
WARHAWK	5.2	3.9	3.8	4.4	4.3
BAR FA 120878	5.4	1.9	2.0	3.0	3.1
KY-31	2.9	1.4	1.3	1.3	1.7
LSD VALUE	1.0	1.0	0.8	1.0	0.5
C.V. (%)	9.7	9.4	9.6	9.2	9.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS GROWN AT SEVEN LOCATIONS 1/ IN THE TRANSITION REGION 2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AR1	KY1	MD1	MO1	NC1	TN1	VA1	MEAN
TRAVERSE 2 SRP (W45)	7.7	6.8	6.5	6.7	6.7	7.4	7.0	7.0
4TH MILLENNIUM SRP (U43)	7.5	6.7	6.7	5.9	7.0	7.9	7.1	7.0
CCR2	7.7	6.7	6.6	6.0	6.4	7.4	7.5	6.9
RAPTOR III (ZW 44)	7.3	6.6	7.1	6.0	6.3	7.7	7.0	6.9
AVENGER II (PPG-TF-156)	7.7	6.8	6.3	6.2	6.6	7.5	6.8	6.8
MET 1	7.1	6.8	6.4	5.9	6.5	7.7	7.4	6.8
TITANIUM 2LS (PPG-TF-152)	7.3	6.7	6.0	6.0	7.1	7.6	7.0	6.8
F711	7.9	6.8	6.1	5.7	6.6	7.8	6.8	6.8
PPG-TF-135	7.2	6.7	6.5	6.2	6.7	7.6	6.6	6.8
PSG-P01	7.5	6.8	6.8	5.8	6.3	7.5	6.9	6.8
ROWDY (SRX-TPC)	7.8	6.7	6.5	5.4	6.6	7.4	7.0	6.8
THOR (PPG-TF-157)	7.4	6.7	6.2	6.3	6.4	7.8	6.5	6.8
MET 6 SEL	7.5	6.8	6.0	5.8	6.7	7.3	7.1	6.7
FIREWALL (PSG-WE1)	7.4	6.8	6.3	6.0	6.3	7.6	6.9	6.7
REGENERATE	7.4	6.7	7.0	5.7	6.1	7.3	6.9	6.7
MET-3	7.5	6.8	6.2	5.7	6.8	7.3	6.8	6.7
PPG-TF-169	7.1	6.8	6.2	6.0	6.4	7.6	6.9	6.7
IS-TF 307 SEL	7.2	6.7	5.9	5.9	6.2	7.3	7.7	6.7
TECHNIQUE (RZ2)	7.4	6.8	6.2	5.4	7.0	7.4	6.7	6.7
GRANDE 3	7.3	6.7	6.5	6.0	6.6	7.6	6.1	6.7
ROCKWELL (LTP-TWUU)	7.1	6.9	6.5	5.7	6.8	7.4	6.3	6.7
RHAMBLER 2 SRP (LSD)	7.4	6.5	6.7	5.8	6.1	7.5	6.8	6.7
GTO (BURL TF-2)	6.8	6.6	6.0	6.0	6.8	7.7	6.6	6.7
PPG-TF-172	7.0	6.5	6.1	5.5	6.9	7.4	7.2	6.7
PPG-TF-137	7.4	6.8	6.6	5.3	6.5	7.4	6.7	6.6
HOT ROD (BURL TF-136)	6.7	6.9	6.5	5.4	6.9	7.5	6.6	6.6
MAESTRO (T31)	7.5	6.8	6.6	6.0	6.0	7.3	6.3	6.6
FAYETTE (IS-TF 291)	7.7	6.9	6.4	5.0	5.8	7.7	7.0	6.6
REFLECTION (U45)	7.4	6.8	6.4	5.7	6.0	7.6	6.5	6.6
PICK-W43	7.5	6.8	6.7	5.2	6.2	7.3	6.6	6.6
HEMI	7.3	6.8	6.2	5.8	6.2	7.3	6.7	6.6
LEONARDO (LTP-FSD)	7.4	6.6	5.8	5.8	6.5	7.5	6.7	6.6
IS-TF 308 SEL	7.3	6.7	5.9	5.2	6.6	7.7	6.9	6.6
IS-TF 305 SEL	7.8	6.6	5.5	6.2	5.7	7.5	6.8	6.6
TEMPLE (DZ1)	6.8	6.7	6.0	6.1	6.5	7.6	6.4	6.6
PPG-TF-170	7.1	6.8	6.2	5.3	6.1	7.5	6.9	6.6
JS 916	7.3	6.7	5.9	6.0	6.4	6.9	6.8	6.6
IS-TF 311	7.4	6.8	6.3	5.5	6.7	7.4	5.9	6.6
B23	7.2	6.6	6.0	5.5	6.4	7.6	6.7	6.6
TERRANO	7.2	6.4	6.1	5.6	6.5	7.5	6.6	6.5
CATALYST	6.9	6.6	6.1	5.4	6.4	7.4	7.0	6.5
FAITH	7.1	6.6	5.6	5.7	6.4	7.2	7.1	6.5
PPG-TF-138	7.0	6.6	6.0	5.9	6.4	7.2	6.6	6.5
PST-5EV2	7.6	6.5	5.8	5.4	6.1	7.3	6.9	6.5

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue Test, 2014 data report with permission from NTEP.
 (CONT'D) GROWN AT SEVEN LOCATIONS 1/
 IN THE TRANSITION REGION
 2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AR1	KY1	MD1	MO1	NC1	TN1	VA1	MEAN
SCREAMER LS (PPG-TF-148)	6.6	6.5	5.8	5.7	6.5	7.5	7.0	6.5
BLACK TAIL (PPG-TF-150)	7.3	6.7	6.0	5.1	6.3	7.1	7.1	6.5
ATF 1612	7.0	6.5	5.9	5.4	6.2	7.7	6.8	6.5
PPG-TF-151	6.9	6.5	6.1	5.5	6.4	7.4	6.6	6.5
FESNOVA	7.7	6.6	5.4	5.7	6.0	7.2	6.8	6.5
TURFWAY (IS-TF 282 M2)	8.0	6.6	5.5	5.4	5.9	7.3	6.6	6.5
MICHELANGELO (LTP-F5DPDR)	7.4	6.7	5.7	5.1	6.6	7.6	6.1	6.5
ATF 1754	7.3	6.6	5.8	5.5	6.0	7.5	6.7	6.5
FIRECRACKER SLS (PPG-TF-105)	7.0	6.6	6.1	5.4	6.2	7.6	6.4	6.5
FIREBIRD 2	7.2	6.6	6.2	5.2	5.8	7.6	6.8	6.5
IS-TF 310 SEL	7.0	6.5	5.7	5.6	6.1	7.5	6.7	6.5
XTENDER (PPG-TF-139)	7.8	6.5	5.6	5.1	6.1	7.4	6.6	6.4
DIABLO (IS-TF 330)	7.5	6.6	5.8	5.5	6.4	7.5	5.8	6.4
FALCON V	6.9	6.7	5.7	5.2	6.1	7.3	7.1	6.4
TEMPTATION (OR-21)	6.9	6.6	5.6	6.2	6.0	7.4	6.4	6.4
W41	6.7	6.7	6.0	5.5	5.9	7.3	7.0	6.4
BIZEM	7.3	6.7	5.9	5.2	6.6	7.1	6.1	6.4
HOVER (BURL TF-69)	6.1	6.6	6.0	5.5	6.1	7.3	7.1	6.4
BULLSEYE	7.4	6.7	6.1	5.6	5.5	7.3	6.2	6.4
RAD-TF-89	6.5	6.5	5.7	5.5	6.3	7.1	7.0	6.4
K12-MCD	7.4	6.6	5.2	5.4	6.1	7.4	6.6	6.4
IS-TF-287	7.7	6.5	5.5	5.1	5.9	7.4	6.6	6.4
CAESAR (TY 10)	7.3	6.5	5.7	5.1	6.2	7.6	6.2	6.4
SWAGGER (PST-5R05)	7.3	6.4	5.2	5.5	5.6	7.3	7.0	6.3
ATF 1704	7.4	6.5	5.2	5.0	6.4	7.3	6.5	6.3
PST-5BRK	7.2	6.4	5.9	5.2	5.6	7.4	6.5	6.3
PST-5BPO	7.3	6.4	5.6	5.4	6.2	7.1	6.2	6.3
PST-5MVD	7.3	6.4	5.4	5.6	6.3	6.9	6.3	6.3
DYNAMITE LS (PPG-TF-145)	7.6	6.4	5.5	5.6	5.6	7.4	6.0	6.3
PPG-TF-115	7.4	6.6	5.7	5.1	5.4	7.5	6.2	6.3
PST-5EX2	7.1	6.3	5.5	5.2	6.1	7.4	6.3	6.3
SALTILLO (PST-5SALT)	7.0	6.5	5.7	5.1	5.8	7.2	6.6	6.3
IS-TF 276 M2	6.5	6.4	5.2	5.5	6.3	7.3	6.5	6.3
MERIDIAN (PST-5GRB)	7.2	6.3	5.3	4.9	6.3	7.3	6.4	6.2
FALCON IV	7.1	6.5	5.4	5.7	5.6	7.4	6.0	6.2
RAD-TF-92	7.0	6.5	5.6	5.1	6.2	7.2	6.0	6.2
ATF 1736	7.4	6.5	5.5	4.7	5.6	7.4	6.6	6.2
FOXHOUND (IS-TF 284 M2)	7.0	6.5	5.6	5.3	5.9	7.2	6.0	6.2
ARES (PPG-TF-142)	6.9	6.5	5.3	6.1	5.5	7.4	6.0	6.2
IS-TF 289	7.0	6.5	5.5	5.0	6.2	7.2	5.9	6.2
IS-TF 285	7.1	6.6	5.6	5.0	5.8	7.3	5.9	6.2
KINGDOM (DB1)	6.5	6.8	5.3	5.1	6.2	7.5	5.8	6.2
RAD-TF-88	6.5	6.7	5.5	5.1	5.9	7.3	6.1	6.2
IS-TF 269 SEL	6.7	6.6	5.5	5.3	5.8	7.5	5.7	6.1
IS-TF 272	7.0	6.8	5.5	5.1	5.5	7.4	5.7	6.1

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS GROWN AT SEVEN LOCATIONS 1/ IN THE TRANSITION REGION 2014 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							MEAN
	AR1	KY1	MD1	MO1	NC1	TN1	VA1	
THUNDERSTRUCK (TD1)	7.1	6.3	5.4	5.4	5.7	7.5	5.5	6.1
K12-05	6.7	6.5	5.6	5.6	5.9	6.9	5.7	6.1
PSG-TT4	6.8	6.2	5.2	5.0	6.2	6.9	6.6	6.1
INSPIRATION (PST-R5NW)	6.8	6.5	4.7	5.6	5.8	7.1	6.3	6.1
BAR FA 121089	6.9	6.5	5.3	5.2	6.1	7.2	5.1	6.1
PSG-GSD	7.1	6.5	4.6	5.1	5.9	7.3	5.6	6.0
PST-5DZP	6.7	6.4	5.1	4.9	5.3	7.1	6.5	6.0
GO-DFR	6.6	6.4	5.1	5.2	5.9	7.1	5.6	6.0
BAR FA 121095	7.0	6.4	5.1	5.9	5.0	7.1	5.5	6.0
RAIN DANCE (PST-5SDT)	6.1	6.4	4.7	5.3	6.2	6.9	6.2	6.0
FRONTLINE (EXP TF-09)	7.0	6.5	4.9	5.0	5.6	6.9	5.8	6.0
ANNIHILATOR	7.1	6.2	4.5	4.8	5.9	7.2	6.0	5.9
RAD-TF-83	6.7	6.5	5.0	5.1	5.5	7.1	5.6	5.9
JS 819	6.3	6.3	5.1	5.2	5.4	6.9	6.0	5.9
JS 818	6.0	6.3	5.5	5.0	5.5	7.3	5.6	5.9
BAR FA 121091	6.3	6.3	5.2	5.0	5.7	7.1	5.6	5.9
PSG-8BP2	6.7	6.4	5.0	5.3	5.1	7.0	5.7	5.9
WARHAWK	6.7	6.2	4.2	4.6	5.7	7.3	6.1	5.8
COMP. RES. SST	6.3	6.4	4.5	4.3	5.8	7.6	5.8	5.8
MARAUDER	6.5	6.3	4.3	4.9	5.3	7.4	5.8	5.8
JS 825	6.8	6.2	4.6	5.0	5.3	6.7	5.7	5.8
AQUADUCT	6.3	6.0	4.8	4.1	5.7	6.9	6.2	5.7
JS 809	5.5	6.1	5.1	5.5	5.6	6.8	5.3	5.7
204 RES. BLK4	6.0	6.2	4.4	4.6	5.1	7.4	6.1	5.7
K12-13	6.9	6.2	4.8	4.8	5.0	6.7	4.8	5.6
BAR FA 120878	6.3	5.8	4.0	4.8	4.9	6.8	5.1	5.4
KY-31	5.2	3.8	3.1	3.4	3.1	5.8	5.2	4.2
LSD VALUE	0.9	0.3	0.7	0.9	0.9	0.5	0.9	0.3
C.V. (%)	7.8	2.5	7.4	10.7	8.9	4.1	8.4	7.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN AT TWO LOCATIONS 1/
 IN THE SOUTHEAST REGION
 2014 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	GA1	MS1	MEAN	NAME	GA1	MS1	MEAN
TITANIUM 2LS (PPG-TF-152)	5.7	6.1	5.9	FAITH	4.8	6.1	5.5
GTO (BURL TF-2)	5.9	5.9	5.9	THOR (PPG-TF-157)	5.1	5.9	5.5
PPG-TF-135	5.8	6.0	5.9	TECHNIQUE (RZ2)	4.7	6.2	5.5
IS-TF 310 SEL	5.6	6.1	5.8	JS 916	4.9	6.1	5.5
FIREBIRD 2	5.4	6.3	5.8	ATF 1612	5.1	5.8	5.5
MET 1	5.4	6.3	5.8	REGENERATE	4.8	6.1	5.5
AVENGER II (PPG-TF-156)	5.4	6.1	5.8	RAD-TF-88	5.0	5.9	5.5
PPG-TF-151	5.7	5.9	5.8	ROCKWELL (LTP-TWUU)	5.0	5.9	5.4
IS-TF 289	5.5	6.0	5.8	PPG-TF-172	5.0	5.9	5.4
PPG-TF-170	5.5	6.0	5.8	MERIDIAN (PST-5GRB)	4.8	6.1	5.4
TURFWAY (IS-TF 282 M2)	5.5	5.9	5.7	SALTILLO (PST-5SALT)	5.1	5.8	5.4
PST-5EV2	5.5	6.0	5.7	K12-MCD	5.1	5.8	5.4
ATF 1754	5.5	6.0	5.7	RAPTOR III (ZW 44)	4.7	6.1	5.4
K12-05	5.5	5.9	5.7	BAR FA 121095	5.0	5.8	5.4
REFLECTION (U45)	5.5	5.9	5.7	CCR2	4.6	6.2	5.4
FOXHOUND (IS-TF 284 M2)	5.4	6.1	5.7	DIABLO (IS-TF 330)	5.0	5.8	5.4
ATF 1704	5.6	5.8	5.7	THUNDERSTRUCK (TD1)	4.8	6.0	5.4
IS-TF 305 SEL	5.5	5.9	5.7	PPG-TF-138	4.8	6.0	5.4
PST-5BRK	5.6	5.8	5.7	4TH MILLENNIUM SRP (U43)	4.8	6.0	5.4
LEONARDO (LTP-FSD)	5.2	6.1	5.7	FIRECRACKER SLS (PPG-TF-105)	4.9	5.9	5.4
MET-3	5.0	6.3	5.7	CAESAR (TY 10)	4.8	5.9	5.4
IS-TF 308 SEL	5.4	5.9	5.6	BLACK TAIL (PPG-TF-150)	4.6	6.1	5.4
PPG-TF-137	5.3	5.9	5.6	FAYETTE (IS-TF 291)	4.8	5.9	5.4
PST-5EX2	5.5	5.7	5.6	IS-TF-287	4.9	5.8	5.4
IS-TF 269 SEL	5.2	6.1	5.6	K12-13	5.1	5.6	5.4
XTENDER (PPG-TF-139)	5.2	6.0	5.6	PSG-TT4	5.0	5.7	5.4
HEMI	5.4	5.8	5.6	GRANDE 3	5.0	5.7	5.3
PPG-TF-115	5.4	5.8	5.6	HOVER (BURL TF-69)	4.7	6.0	5.3
TRAVERSE 2 SRP (W45)	5.1	6.1	5.6	PSG-GSD	4.8	5.8	5.3
PST-5BPO	5.4	5.8	5.6	JS 819	4.9	5.8	5.3
IS-TF 311	5.3	5.9	5.6	TEMPLE (DZ1)	4.7	5.9	5.3
IS-TF 285	5.2	5.9	5.6	PSG-P01	4.7	5.9	5.3
MICHELANGELO (LTP-F5DPDR)	5.0	6.1	5.6	TERRANO	4.6	6.0	5.3
IS-TF 307 SEL	5.1	6.0	5.6	ROWDY (SRX-TPC)	4.4	6.1	5.3
MAESTRO (T31)	5.2	5.9	5.5	PSG-8BP2	4.7	5.9	5.3
ATF 1736	5.3	5.8	5.5	W41	4.6	6.0	5.3
BIZEM	5.1	6.0	5.5	INSPIRATION (PST-R5NW)	4.7	5.8	5.3
IS-TF 276 M2	5.3	5.8	5.5	ARES (PPG-TF-142)	4.7	5.8	5.3
RAIN DANCE (PST-5SDT)	5.2	5.8	5.5	GO-DFR	4.8	5.7	5.3
KINGDOM (DB1)	5.0	6.0	5.5	IS-TF 272	4.5	6.1	5.3
PPG-TF-169	5.2	5.9	5.5	FALCON V	4.8	5.8	5.3
PST-5MVD	5.1	5.9	5.5	PICK-W43	4.6	5.9	5.2
SCREAMER LS (PPG-TF-148)	4.9	6.1	5.5	SWAGGER (PST-5R05)	4.7	5.8	5.2
MET 6 SEL	4.9	6.1	5.5	RAD-TF-83	4.6	5.8	5.2
				F711	4.6	5.8	5.2

Taken from the 2012 Tall Fescue test, 2014 data report with permission from NTEP
 TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN AT TWO LOCATIONS 1/
 IN THE SOUTHEAST REGION
 2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	GA1	MS1	MEAN
HOT ROD (BURL TF-136)	4.5	5.9	5.2
RAD-TF-89	4.5	5.9	5.2
BAR FA 121089	4.5	5.8	5.2
WARHAWK	4.6	5.8	5.2
COMP. RES. SST	4.7	5.6	5.2
BULLSEYE	4.5	5.8	5.2
DYNAMITE LS (PPG-TF-145)	4.5	5.7	5.1
RAD-TF-92	4.3	5.9	5.1
PST-5DZP	4.5	5.8	5.1
FIREWALL (PSG-WE1)	4.4	5.9	5.1
JS 809	4.6	5.6	5.1
BAR FA 120878	4.8	5.4	5.1
FESNOVA	4.2	5.9	5.0
CATALYST	4.0	6.0	5.0
FALCON IV	4.3	5.6	5.0
RHAMBLER 2 SRP (LSD)	4.3	5.6	5.0
MARAUDER	4.1	5.8	5.0
JS 825	4.3	5.6	4.9
TEMPTATION (OR-21)	4.1	5.8	4.9
B23	3.8	6.0	4.9
204 RES. BLK4	4.1	5.8	4.9
BAR FA 121091	4.3	5.6	4.9
ANNIHILATOR	4.1	5.7	4.9
FRONTLINE (EXP TF-09)	4.1	5.7	4.9
AQUADUCT	3.9	5.6	4.8
JS 818	3.5	5.7	4.6
KY-31	4.0	4.3	4.2
LSD VALUE	1.2	0.3	0.6
C.V. (%)	15.4	3.2	10.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS GROWN AT FOUR LOCATIONS 1/ IN THE NORTH CENTRAL REGION 2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	NE1	MEAN
MET 1	7.3	6.3	6.7	5.7	6.5
CCR2	7.3	6.4	6.8	5.4	6.5
B23	7.4	6.3	6.8	5.4	6.5
REGENERATE	7.8	6.1	6.7	5.2	6.5
FAYETTE (IS-TF 291)	7.5	5.8	6.8	5.6	6.4
BIZEM	7.4	6.0	6.4	5.8	6.4
4TH MILLENNIUM SRP (U43)	7.3	5.8	6.9	5.6	6.4
W41	7.3	6.4	6.4	5.3	6.4
PICK-W43	7.5	6.0	6.4	5.5	6.4
TECHNIQUE (RZ2)	7.2	6.0	6.3	5.9	6.3
TRAVERSE 2 SRP (W45)	7.6	5.6	6.6	5.5	6.3
THOR (PPG-TF-157)	7.4	5.3	6.8	5.9	6.3
RAPTOR III (ZW 44)	7.7	6.0	6.1	5.5	6.3
TITANIUM 2LS (PPG-TF-152)	7.0	6.0	6.7	5.6	6.3
BLACK TAIL (PPG-TF-150)	7.1	6.4	6.5	5.3	6.3
DIABLO (IS-TF 330)	7.6	5.5	6.3	5.9	6.3
GTO (BURL TF-2)	7.2	6.5	6.3	5.3	6.3
PPG-TF-170	6.6	6.3	6.9	5.5	6.3
RAD-TF-89	7.2	6.0	6.4	5.6	6.3
FIRECRACKER SLS (PPG-TF-105)	7.1	5.9	6.7	5.5	6.3
PPG-TF-169	7.1	6.3	6.6	5.1	6.3
PPG-TF-137	7.1	6.2	6.6	5.2	6.3
AVENGER II (PPG-TF-156)	6.8	6.0	6.6	5.6	6.3
PSG-P01	7.3	5.9	6.5	5.4	6.3
REFLECTION (U45)	7.3	5.8	6.4	5.6	6.3
ATF 1754	7.2	6.1	6.2	5.6	6.3
MICHELANGELO (LTP-F5DPDR)	6.9	6.1	6.3	5.8	6.3
JS 916	7.2	5.8	6.2	5.8	6.3
FIREWALL (PSG-WE1)	6.9	5.9	6.3	5.9	6.2
ROCKWELL (LTP-TWUU)	7.3	5.8	6.2	5.8	6.2
IS-TF 289	7.7	5.8	6.0	5.5	6.2
IS-TF 269 SEL	7.2	5.6	6.4	5.7	6.2
PPG-TF-172	7.1	5.7	6.5	5.7	6.2
F711	7.0	6.2	6.5	5.2	6.2
FALCON V	7.3	5.6	6.1	5.9	6.2
MAESTRO (T31)	7.0	5.9	6.3	5.6	6.2
HOT ROD (BURL TF-136)	7.4	6.0	6.4	5.1	6.2
MET 6 SEL	6.8	5.8	6.6	5.7	6.2
HEMI	6.8	6.0	6.5	5.5	6.2
ATF 1612	7.1	6.0	6.3	5.4	6.2
KINGDOM (DB1)	7.3	6.0	5.8	5.6	6.2
XTENDER (PPG-TF-139)	7.0	5.9	6.4	5.4	6.2
ROWDY (SRX-TPC)	6.8	5.6	6.5	5.9	6.2
CATALYST	7.1	5.8	6.3	5.5	6.2

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue Test, 2014 data report with permission from NTEP
 (CONT'D) GROWN AT FOUR LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	NE1	MEAN
FAITH	7.0	6.0	6.2	5.5	6.2
IS-TF 305 SEL	6.6	5.9	6.6	5.5	6.1
PPG-TF-135	7.3	5.9	6.3	5.0	6.1
IS-TF 307 SEL	7.1	5.4	6.6	5.5	6.1
SCREAMER LS (PPG-TF-148)	6.8	5.6	6.4	5.7	6.1
PST-5MVD	6.8	5.8	6.4	5.6	6.1
IS-TF 308 SEL	6.8	5.8	6.6	5.3	6.1
DYNAMITE LS (PPG-TF-145)	7.1	5.6	6.3	5.5	6.1
FESNOVA	7.2	5.4	6.2	5.6	6.1
MET-3	6.9	5.7	6.4	5.4	6.1
TEMPLE (DZ1)	7.0	5.7	6.3	5.4	6.1
K12-MCD	6.7	5.5	6.4	5.8	6.1
FIREBIRD 2	6.9	5.8	6.5	5.2	6.1
LEONARDO (LTP-FSD)	6.9	5.3	6.4	5.8	6.1
PPG-TF-151	7.0	5.3	6.4	5.6	6.1
HOVER (BURL TF-69)	6.6	5.9	6.3	5.6	6.1
THUNDERSTRUCK (TD1)	7.3	5.6	5.7	5.7	6.1
IS-TF 285	6.9	5.4	6.3	5.6	6.1
PST-5EV2	6.9	5.7	6.3	5.3	6.1
IS-TF 311	6.9	5.6	6.2	5.5	6.0
PST-5BPO	6.8	5.4	6.2	5.8	6.0
IS-TF 276 M2	7.2	5.2	6.0	5.8	6.0
GRANDE 3	6.7	5.8	6.2	5.5	6.0
PPG-TF-138	6.8	5.3	6.6	5.4	6.0
PPG-TF-115	6.7	5.6	6.1	5.8	6.0
RHAMBLER 2 SRP (LSD)	7.2	5.2	6.1	5.6	6.0
MERIDIAN (PST-5GRB)	6.9	5.2	6.3	5.7	6.0
BULLSEYE	7.0	5.6	6.2	5.2	6.0
TERRANO	6.8	5.5	6.1	5.6	6.0
FALCON IV	6.8	5.4	6.1	5.8	6.0
ATF 1736	6.8	5.7	5.9	5.6	6.0
SALTILLO (PST-5SALT)	6.8	5.9	5.9	5.3	6.0
RAD-TF-92	6.8	5.3	6.0	5.8	6.0
PST-5BRK	6.9	5.3	5.9	5.7	6.0
TURFWAY (IS-TF 282 M2)	6.6	5.4	6.2	5.6	6.0
TEMPTATION (OR-21)	6.9	5.5	5.7	5.7	6.0
PST-5EX2	6.7	5.5	5.8	5.8	5.9
RAD-TF-88	6.4	5.8	6.1	5.5	5.9
ARES (PPG-TF-142)	6.9	5.3	6.2	5.4	5.9
CAESAR (TY 10)	7.1	5.3	5.9	5.5	5.9
FOXHOUND (IS-TF 284 M2)	6.9	5.7	5.7	5.5	5.9
PST-5DZP	6.6	5.3	6.1	5.8	5.9
IS-TF-287	6.4	5.6	6.1	5.5	5.9
IS-TF 310 SEL	6.3	5.4	6.5	5.5	5.9
ATF 1704	6.5	5.7	5.9	5.5	5.9

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) GROWN AT FOUR LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	NE1	MEAN
PSG-GSD	6.7	5.4	6.1	5.5	5.9
JS 818	6.5	5.5	5.9	5.5	5.9
IS-TF 272	6.8	5.7	5.8	5.1	5.9
SWAGGER (PST-5R05)	6.7	5.1	5.9	5.6	5.8
INSPIRATION (PST-R5NW)	6.9	4.9	5.7	5.7	5.8
FRONTLINE (EXP TF-09)	6.9	4.9	5.5	5.7	5.7
GO-DFR	6.6	4.9	6.1	5.4	5.7
K12-05	7.0	5.2	5.5	5.2	5.7
BAR FA 121095	6.3	5.5	5.6	5.4	5.7
RAIN DANCE (PST-5SDT)	6.6	5.2	5.7	5.5	5.7
JS 819	6.5	5.4	5.6	5.4	5.7
PSG-TT4	6.5	5.0	5.8	5.4	5.7
RAD-TF-83	6.8	5.0	5.6	5.3	5.7
JS 809	6.8	5.0	5.7	5.2	5.7
PSG-8BP2	6.3	5.2	5.6	5.6	5.7
BAR FA 121091	6.1	5.4	5.7	5.1	5.6
BAR FA 121089	6.6	5.0	5.4	5.4	5.6
WARHAWK	6.2	5.0	5.4	5.6	5.6
MARAUDER	6.0	5.4	5.4	5.4	5.6
JS 825	6.4	4.7	5.4	5.2	5.5
ANNIHILATOR	5.8	4.9	5.6	5.5	5.4
COMP. RES. SST	6.1	4.8	5.4	5.3	5.4
AQUADUCT	6.1	4.4	5.4	5.5	5.4
204 RES. BLK4	6.0	4.6	5.4	5.2	5.3
K12-13	6.2	4.4	5.4	5.2	5.3
BAR FA 120878	5.9	4.4	4.9	4.8	5.0
KY-31	4.0	3.2	4.0	4.0	3.8
C.V. (%)	5.8	8.1	4.8	6.0	6.2
LSD VALUE	0.6	0.7	0.5	0.5	0.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

TABLE 11. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/ 2014 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
REGENERATE	6.0	7.7	5.7	5.3	6.3	7.0	7.7	7.0	7.3	8.3	8.0	7.0	6.9
4TH MILLENNIUM SRP (U43)	6.0	7.3	5.7	6.0	6.3	7.7	7.0	7.3	7.3	7.7	7.7	6.3	6.9
TERRANO	6.3	7.0	5.0	5.7	6.0	6.3	7.0	7.3	7.0	7.7	7.7	7.0	6.7
RAD-TF-89	6.0	7.3	5.3	6.0	6.0	6.3	6.7	6.7	6.3	7.0	7.7	6.3	6.5
BIZEM	6.3	7.3	5.3	5.7	7.3	6.7	7.0	5.7	6.7	6.3	7.0	5.3	6.4
HEMI	5.7	7.0	4.7	5.3	6.0	6.7	7.3	7.0	7.3	7.3	6.3	6.0	6.4
RAPTOR III (ZW 44)	6.3	7.3	5.0	5.3	5.7	7.3	6.7	6.0	6.7	7.7	6.7	6.0	6.4
B23	6.0	6.3	5.3	5.7	6.0	6.3	6.7	5.7	7.0	7.3	7.3	6.7	6.4
PST-5MVD	6.7	6.3	5.0	6.3	7.0	6.3	6.7	6.0	6.3	6.3	7.0	6.0	6.3
ATF 1736	6.0	7.3	4.7	5.7	6.3	6.0	6.7	7.0	6.7	6.3	7.0	6.0	6.3
FESNOVA	6.3	6.7	5.0	5.3	6.0	6.3	6.7	6.0	6.0	7.3	7.0	7.0	6.3
IS-TF-287	6.0	6.7	5.0	5.7	5.0	6.3	6.3	6.3	7.3	7.0	7.3	6.7	6.3
JS 916	6.0	7.3	5.3	6.0	6.0	6.7	7.0	5.3	6.0	7.3	6.7	6.0	6.3
MET-3	6.3	7.3	5.3	6.3	6.7	6.3	7.3	5.7	6.3	6.0	6.0	6.0	6.3
IS-TF 272	6.0	7.0	5.3	5.7	5.3	6.7	7.0	6.7	6.0	7.0	7.0	5.7	6.3
W41	6.0	6.7	5.3	5.7	6.7	6.3	7.3	6.0	6.7	7.0	6.3	5.3	6.3
FALCON IV	5.7	7.0	4.7	5.3	6.7	6.0	6.7	6.7	6.3	6.3	7.0	7.0	6.3
CCR2	5.7	6.7	5.0	6.3	6.3	6.0	6.7	6.0	7.0	6.0	7.0	6.3	6.3
IS-TF 311	6.0	6.3	5.3	6.0	6.0	5.7	6.7	6.7	6.3	6.7	7.3	6.0	6.3
PPG-TF-169	5.3	7.0	5.3	6.0	5.7	5.7	7.0	5.7	7.0	7.3	6.7	6.3	6.3
ATF 1612	6.0	7.0	5.3	5.0	5.3	6.3	7.3	6.7	6.0	7.0	6.0	6.7	6.2
IS-TF 289	6.0	7.3	5.0	6.3	6.0	5.7	6.0	5.7	7.0	6.7	7.0	6.0	6.2
PST-5BPO	5.7	7.3	5.0	5.7	6.0	5.7	6.3	6.3	6.7	7.0	7.0	6.0	6.2
GTO (BURL TF-2)	6.0	7.0	4.3	5.7	5.7	6.7	6.7	6.0	6.3	6.7	6.7	6.7	6.2
PST-5BRK	6.0	6.3	5.0	6.0	6.0	6.3	6.0	6.7	6.3	7.3	6.3	6.0	6.2
BLACK TAIL (PPG-TF-150)	5.7	6.7	5.3	5.3	6.7	6.0	6.7	6.3	6.3	6.0	6.7	6.7	6.2
CATALYST	5.0	5.7	5.0	5.7	5.7	6.3	7.0	6.3	6.7	7.3	7.0	6.7	6.2
MET 6 SEL	5.7	6.7	5.0	6.0	4.7	6.0	6.3	6.3	6.7	7.3	7.3	6.3	6.2
204 RES. BLK4	6.3	7.0	4.7	5.3	5.7	6.0	7.0	6.0	5.7	6.7	6.7	6.7	6.1
ANNIHILATOR	6.7	7.3	5.7	5.3	6.0	5.7	5.7	6.0	5.3	6.7	6.7	6.7	6.1
K12-MCD	5.3	6.7	5.3	5.7	6.3	6.7	6.3	5.7	6.3	6.7	6.3	6.3	6.1
KINGDOM (DB1)	5.7	6.7	5.3	6.0	6.3	6.7	7.0	6.3	5.7	6.3	6.3	5.3	6.1
PST-5EV2	6.3	7.3	5.3	6.0	5.7	6.3	6.7	5.3	6.3	6.3	6.0	6.0	6.1
TRAVERSE 2 SRP (W45)	6.0	6.7	5.0	5.3	5.7	6.0	7.0	6.3	5.7	7.3	7.0	5.3	6.1
MAESTRO (T31)	6.3	7.0	5.0	5.3	4.3	6.0	6.7	5.3	6.3	7.7	7.0	6.3	6.1
PPG-TF-137	5.3	6.7	4.7	5.7	6.0	6.0	7.0	5.7	6.7	6.7	6.7	6.3	6.1
DYNAMITE LS (PPG-TF-145)	6.3	7.0	5.0	6.0	6.0	5.3	6.7	5.3	5.7	6.7	6.7	6.3	6.1
FALCON V	6.0	6.3	4.3	4.7	6.3	6.0	7.0	6.3	6.7	6.3	7.0	6.0	6.1
HOT ROD (BURL TF-136)	6.0	6.3	5.0	5.7	5.7	6.0	7.0	6.3	6.3	6.7	5.7	6.3	6.1
IS-TF 310 SEL	6.7	6.0	5.0	6.0	6.3	6.0	7.0	6.7	5.7	5.7	5.7	6.3	6.1
REFLECTION (U45)	6.0	7.0	5.0	5.3	5.7	6.3	6.7	6.0	5.3	6.3	7.0	6.3	6.1
ROWDY (SRX-TPC)	5.7	6.3	5.0	6.3	5.7	6.7	6.7	5.7	6.3	7.0	5.7	6.0	6.1
PSG-P01	5.7	7.0	5.0	5.7	5.7	6.3	6.7	5.3	5.7	6.7	7.0	6.0	6.1
XTENDER (PPG-TF-139)	6.7	6.7	5.3	5.7	6.7	6.0	6.3	5.3	5.3	6.3	6.7	5.7	6.1

TABLE 11. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/ 2014 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TECHNIQUE (RZ2)	5.7	6.7	4.7	6.3	5.7	6.3	6.7	6.7	5.3	5.7	7.0	6.0	6.1
FOXHOUND (IS-TF 284 M2)	6.0	6.3	5.0	5.7	5.3	5.7	6.0	6.7	6.3	7.0	7.0	5.3	6.0
PPG-TF-135	5.7	6.0	4.7	5.7	7.0	6.3	6.7	5.7	6.7	6.7	6.3	5.0	6.0
RAD-TF-83	6.3	6.3	4.3	6.0	6.0	6.0	6.0	6.7	5.7	6.0	6.7	6.3	6.0
RHAMBLER 2 SRP (LSD)	6.0	6.3	5.0	5.3	5.7	6.3	6.7	6.7	5.7	7.0	6.3	5.3	6.0
DIABLO (IS-TF 330)	5.7	6.7	4.7	6.0	5.7	6.3	6.7	6.3	6.7	5.3	6.0	6.0	6.0
INSPIRATION (PST-R5NW)	5.7	6.3	5.0	4.7	6.0	6.3	6.3	6.3	6.3	6.7	6.3	6.0	6.0
IS-TF 308 SEL	5.0	6.0	4.7	6.0	5.7	5.3	7.0	5.7	7.0	6.3	6.7	6.7	6.0
MICHELANGELO (LTP-F5DPDR)	5.7	6.3	5.0	5.3	5.7	6.0	6.3	5.7	6.7	6.7	6.3	6.3	6.0
TITANIUM 2LS (PPG-TF-152)	5.3	7.0	5.3	6.0	7.0	5.3	6.0	5.7	6.7	6.0	6.0	5.7	6.0
TURFWAY (IS-TF 282 M2)	6.3	7.3	4.7	6.3	5.7	6.0	6.3	6.3	5.0	6.3	6.7	5.0	6.0
ARES (PPG-TF-142)	6.3	6.7	4.7	6.0	6.7	6.0	6.3	5.7	5.3	5.3	6.0	6.7	6.0
PST-5EX2	6.3	6.7	4.7	5.0	6.3	6.0	6.7	6.0	6.0	6.0	6.3	5.7	6.0
TEMPLE (DZ1)	5.7	6.7	5.0	6.7	6.3	6.3	5.7	5.3	5.7	6.0	6.3	6.0	6.0
ATF 1704	6.0	6.7	4.7	5.0	5.0	6.0	6.7	6.3	6.0	6.7	6.0	6.3	5.9
PSG-TT4	6.0	6.7	5.0	5.3	4.7	6.0	6.0	6.0	7.0	6.3	6.3	6.0	5.9
CAESAR (TY 10)	5.7	5.7	5.0	5.7	5.0	5.3	6.7	5.7	6.0	7.0	7.0	6.7	5.9
HOVER (BURL TF-69)	5.7	6.7	4.3	4.7	6.3	5.7	6.0	6.0	6.7	6.7	7.0	5.7	5.9
PPG-TF-170	6.3	6.3	5.3	5.3	5.3	5.0	6.3	5.7	6.3	6.3	7.0	6.0	5.9
F711	6.3	6.0	5.0	4.7	4.7	6.0	7.0	6.3	6.3	7.0	5.7	6.0	5.9
FAITH	5.3	6.3	5.3	6.0	5.7	6.7	6.7	5.7	6.0	5.7	6.3	5.3	5.9
PPG-TF-138	5.7	6.3	5.0	5.3	6.7	5.7	6.3	5.7	5.3	6.7	6.3	6.0	5.9
RAD-TF-88	6.3	6.7	4.7	5.3	6.0	5.7	6.3	6.7	5.7	6.0	6.0	5.7	5.9
RAD-TF-92	6.3	6.3	5.0	5.0	6.0	6.3	6.3	6.0	5.0	6.3	6.0	6.3	5.9
WARHAWK	6.0	6.7	4.3	5.7	6.0	6.0	6.7	6.0	5.7	6.0	6.3	5.7	5.9
FIREBIRD 2	6.0	6.7	4.7	5.3	5.3	5.7	6.3	6.0	6.3	7.0	6.0	5.3	5.9
MET 1	5.7	6.7	4.3	4.7	5.0	6.0	7.0	6.0	5.3	7.0	6.0	7.0	5.9
PPG-TF-115	6.0	5.7	4.7	6.0	6.3	6.0	6.0	6.3	5.0	6.3	6.0	6.3	5.9
SCREAMER LS (PPG-TF-148)	6.0	6.7	5.0	5.3	5.7	5.7	6.0	5.0	6.3	6.0	6.7	6.3	5.9
THOR (PPG-TF-157)	5.3	7.3	4.7	5.0	5.7	6.0	6.0	5.3	6.3	6.3	6.7	6.0	5.9
BAR FA 121095	5.3	6.3	4.7	5.3	6.3	5.7	7.0	6.3	5.7	5.7	6.0	6.0	5.9
GO-DFR	6.7	6.0	4.7	5.7	5.7	6.0	6.3	5.7	5.7	5.7	6.3	6.0	5.9
LEONARDO (LTP-FSD)	5.7	6.0	4.7	5.0	5.3	5.3	6.3	5.7	6.0	7.7	6.0	6.7	5.9
IS-TF 305 SEL	6.0	6.7	4.7	5.3	4.7	5.7	6.0	6.3	6.0	7.0	6.0	5.7	5.8
SWAGGER (PST-5R05)	5.7	6.0	4.3	5.3	5.7	6.0	6.0	5.7	6.0	6.7	6.3	6.0	5.8
ROCKWELL (LTP-TWUU)	5.3	6.3	5.0	5.0	5.0	5.7	5.7	6.0	6.3	6.0	6.7	6.3	5.8
FIRECRACKER SLS (PPG-TF-105)	6.0	7.0	4.7	5.0	5.7	5.3	6.0	5.7	5.7	6.7	6.0	5.3	5.8
GRANDE 3	4.7	6.3	4.7	5.0	4.7	6.3	5.7	5.7	5.3	7.3	6.7	6.3	5.7
IS-TF 307 SEL	5.7	6.3	4.3	6.0	5.3	5.7	6.3	5.7	5.7	5.7	6.3	5.7	5.7
JS 818	6.0	6.7	4.3	4.7	5.0	5.7	6.3	5.0	5.0	6.7	7.3	6.0	5.7
MERIDIAN (PST-5GRB)	5.3	6.3	5.0	4.7	5.7	6.0	6.0	5.3	5.3	7.3	6.3	5.3	5.7
FAYETTE (IS-TF 291)	5.3	6.0	4.7	4.7	5.3	6.0	6.3	5.7	5.7	6.3	6.3	6.0	5.7
K12-13	5.0	7.0	4.3	5.0	5.0	5.7	6.7	6.3	5.3	6.3	5.7	6.0	5.7
THUNDERSTRUCK (TD1)	5.0	6.3	5.0	6.0	5.0	5.7	6.3	5.7	5.7	5.7	6.3	5.7	5.7
BULLSEYE	5.3	7.3	4.7	5.3	6.0	5.3	5.7	5.3	5.3	6.0	5.7	6.3	5.7

Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

TABLE 11. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS FOR EACH MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/ 2014 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
FIREWALL (PSG-WE1)	5.7	6.3	4.7	5.0	5.0	6.0	5.7	6.0	6.3	5.7	5.7	6.3	5.7
FRONTLINE (EXP TF-09)	5.3	5.7	5.0	5.0	5.0	5.3	6.0	5.7	6.0	6.7	6.3	6.3	5.7
SALTILLO (PST-5SALT)	5.7	6.0	4.7	5.3	6.3	6.0	6.3	6.0	4.7	5.7	5.3	6.3	5.7
BAR FA 120878	5.3	6.7	4.7	6.0	6.3	6.3	5.7	6.3	4.7	5.0	5.3	5.7	5.7
PPG-TF-151	5.7	6.7	4.7	6.0	5.0	4.7	4.7	5.0	6.0	6.7	7.0	6.0	5.7
IS-TF 269 SEL	6.0	6.0	4.3	5.3	4.7	5.7	6.0	6.3	5.7	5.3	6.7	5.7	5.6
JS 809	5.7	7.3	4.7	5.0	5.7	5.7	6.0	5.7	5.0	5.7	5.7	5.7	5.6
PSG-8BP2	5.3	6.7	5.0	5.0	4.7	5.7	6.7	6.0	5.3	7.0	5.7	4.7	5.6
JS 819	5.0	5.7	5.7	5.7	5.0	5.7	6.3	5.3	4.7	6.3	6.0	6.3	5.6
PSG-GSD	5.3	6.0	5.0	5.0	5.0	5.3	6.0	5.3	5.0	6.3	7.0	6.3	5.6
AQUADUCT	5.7	6.3	5.0	5.0	5.7	5.3	6.0	6.0	4.7	6.3	5.7	5.7	5.6
PPG-TF-172	5.7	6.3	4.3	5.3	5.7	5.0	6.0	5.3	5.0	6.0	7.0	5.7	5.6
RAIN DANCE (PST-5SDT)	4.7	5.7	4.7	5.3	5.0	6.0	6.3	6.0	6.0	6.7	5.7	5.3	5.6
PST-5DZP	6.0	6.0	4.3	5.0	5.0	5.0	6.3	5.7	5.7	6.3	6.0	6.0	5.6
COMP. RES. SST	5.3	6.3	4.3	5.3	5.0	5.7	6.0	5.7	5.7	6.0	6.0	5.7	5.6
IS-TF 276 M2	6.0	6.3	4.0	4.0	4.3	6.0	6.3	6.7	5.3	6.3	6.3	5.3	5.6
K12-05	6.0	7.3	4.3	5.3	4.3	5.0	5.7	5.7	5.0	5.7	6.3	6.0	5.6
MARAUDER	5.7	6.3	4.0	5.0	5.0	5.7	5.7	6.3	5.3	6.0	6.0	5.3	5.5
TEMPTATION (OR-21)	5.3	6.3	4.3	5.0	4.3	5.0	5.3	6.0	5.3	6.3	6.3	6.7	5.5
BAR FA 121089	5.7	5.7	4.3	4.7	6.3	5.7	5.7	6.0	4.7	5.0	5.7	5.7	5.4
JS 825	6.7	6.3	3.7	4.7	4.7	5.3	6.7	5.0	4.3	6.0	6.0	5.3	5.4
AVENGER II (PPG-TF-156)	5.7	6.3	4.7	5.0	4.7	5.0	4.7	5.7	5.3	6.0	5.7	5.7	5.4
PICK-W43	6.7	7.0	4.7	4.3	3.7	4.3	5.0	5.0	5.3	5.7	6.0	6.3	5.3
ATF 1754	6.0	6.0	4.0	4.3	6.7	5.0	5.3	5.7	4.7	6.0	5.0	5.0	5.3
BAR FA 121091	5.7	6.3	4.3	4.7	5.7	5.0	5.7	5.7	5.0	4.3	5.0	6.0	5.3
IS-TF 285	5.0	5.3	4.0	4.7	4.7	5.0	6.0	5.3	5.0	6.0	5.7	6.3	5.3
KY-31	4.0	5.0	3.0	3.0	3.0	4.0	5.0	5.3	3.7	5.0	5.0	5.0	4.3
LSD VALUE	1.3	1.4	1.3	1.3	1.5	1.4	1.5	1.3	1.9	1.7	1.4	1.2	0.8
C.V. (%)	13.9	13.1	16.6	14.6	16.2	15.0	14.2	13.8	20.2	16.2	13.9	12.3	8.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 12. PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/

2014 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	BEFORE TRAFFIC ON APRIL 16				AFTER TRAFFIC IN SPRING (JUNE 3)				BEFORE TRAFFIC ON JULY 1			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
HOT ROD (BURL TF-136)	8.3	8.3	83.3	76.7	9.0	6.7	93.3	75.0	9.0	7.0	95.0	71.7
REGENERATE	7.0	6.0	81.7	66.7	9.0	6.3	93.3	68.3	9.0	7.0	95.0	75.0
TECHNIQUE (RZ2)	8.0	8.0	83.3	83.3	9.0	8.0	93.3	78.3	9.0	9.0	95.0	88.3
4TH MILLENNIUM SRP (U43)	7.7	8.3	78.3	80.0	9.0	7.3	91.7	71.7	9.0	7.3	93.3	78.3
CATALYST	8.0	7.3	78.3	78.3	9.0	7.0	88.3	66.7	8.7	6.7	91.7	73.3
B23	8.0	7.7	78.3	73.3	9.0	7.3	93.3	76.7	9.0	7.0	95.0	73.3
COMP. RES. SST	6.0	6.0	68.3	65.0	8.0	4.7	83.3	53.3	8.3	7.0	86.7	75.0
HEMI	8.0	7.7	81.7	78.3	9.0	7.3	93.3	80.0	9.0	7.3	95.0	76.7
IS-TF 311	8.3	8.3	81.7	76.7	9.0	7.0	93.3	70.0	9.0	6.3	95.0	71.7
RAD-TF-92	6.3	6.3	65.0	68.3	8.7	6.7	90.0	66.7	9.0	7.0	93.3	71.7
RAPTOR III (ZW 44)	8.0	8.0	78.3	80.0	9.0	7.7	90.0	73.3	9.0	6.7	93.3	76.7
REFLECTION (U45)	7.0	7.0	75.0	71.7	9.0	7.0	91.7	76.7	9.0	7.3	93.3	76.7
AVENGER II (PPG-TF-156)	6.7	7.7	66.7	80.0	8.7	7.3	91.7	73.3	8.7	7.7	91.7	80.0
RAD-TF-88	6.7	6.7	70.0	66.7	8.7	6.3	93.3	65.0	9.0	7.3	90.0	73.3
ATF 1704	7.7	8.3	80.0	78.3	8.7	7.0	90.0	73.3	9.0	7.7	83.3	80.0
F711	7.7	8.0	83.3	75.0	9.0	6.3	93.3	68.3	9.0	7.7	95.0	76.7
IS-TF 310 SEL	7.0	7.7	76.7	75.0	8.7	6.0	90.0	65.0	9.0	6.3	93.3	75.0
DIABLO (IS-TF 330)	7.0	6.7	75.0	75.0	9.0	6.7	93.3	65.0	9.0	6.7	93.3	71.7
IS-TF-287	7.0	7.7	70.0	70.0	9.0	6.3	88.3	63.3	8.7	6.3	85.0	70.0
JS 916	7.3	7.0	73.3	70.0	9.0	7.0	90.0	73.3	9.0	6.3	95.0	75.0
PPG-TF-172	7.7	7.3	76.7	75.0	8.7	6.3	91.7	63.3	9.0	7.0	93.3	75.0
FIREWALL (PSG-WE1)	8.0	8.7	83.3	76.7	9.0	6.7	93.3	73.3	9.0	7.3	93.3	81.7
RAD-TF-89	6.0	6.3	71.7	73.3	8.7	6.0	91.7	65.0	8.7	6.7	95.0	76.7
RHAMBLER 2 SRP (LSD)	6.7	7.3	68.3	75.0	8.7	7.0	88.3	66.7	9.0	7.0	90.0	73.3
TITANIUM 2LS (PPG-TF-152)	7.3	7.7	78.3	80.0	9.0	7.0	93.3	75.0	9.0	8.0	93.3	80.0
GRANDE 3	8.0	8.0	81.7	78.3	8.3	6.0	93.3	76.7	9.0	6.7	93.3	70.0
FAYETTE (IS-TF 291)	7.3	7.3	76.7	76.7	8.3	5.7	86.7	56.7	9.0	7.7	91.7	71.7
IS-TF 308 SEL	7.0	8.0	76.7	81.7	8.7	6.3	90.0	65.0	9.0	6.0	93.3	75.0
PPG-TF-138	7.7	7.3	83.3	75.0	8.7	5.3	90.0	61.7	9.0	6.7	90.0	66.7
SCREAMER LS (PPG-TF-148)	8.0	8.3	85.0	81.7	9.0	6.3	88.3	70.0	9.0	7.7	93.3	76.7
MAESTRO (T31)	8.0	7.3	83.3	75.0	8.7	5.7	90.0	61.7	8.7	6.0	93.3	66.7
204 RES. BLK4	6.7	7.0	68.3	73.3	8.3	5.0	86.7	61.7	9.0	7.0	88.3	66.7
BAR FA 121095	5.3	5.7	58.3	61.7	8.3	6.0	86.7	66.7	8.7	7.0	90.0	75.0
FALCON V	7.0	7.0	80.0	73.3	9.0	6.7	90.0	63.3	9.0	7.3	93.3	75.0
GO-DFR	7.3	7.3	73.3	73.3	9.0	5.7	90.0	63.3	9.0	7.3	86.7	68.3
PICK-W43	8.0	8.3	80.0	76.7	9.0	6.0	95.0	68.3	9.0	6.7	93.3	68.3
PSG-8BP2	7.7	7.7	75.0	73.3	7.7	5.7	81.7	60.0	8.7	6.7	85.0	68.3
ATF 1754	8.3	8.3	78.3	80.0	8.7	5.3	91.7	71.7	9.0	7.0	88.3	73.3
FIREBIRD 2	7.7	8.0	71.7	83.3	9.0	8.0	91.7	75.0	9.0	8.0	95.0	80.0
GTO (BURL TF-2)	8.0	8.3	80.0	80.0	8.7	6.7	90.0	63.3	9.0	7.0	86.7	73.3
IS-TF 269 SEL	7.3	7.3	80.0	75.0	8.3	5.3	90.0	56.7	9.0	6.0	95.0	66.7
IS-TF 289	6.7	7.0	76.7	75.0	9.0	7.0	91.7	65.0	9.0	6.3	93.3	68.3
MET 1	8.0	8.0	85.0	86.7	9.0	5.7	95.0	71.7	9.0	7.0	95.0	68.3
XTENDER (PPG-TF-139)	7.3	8.0	73.3	76.7	8.7	7.0	95.0	75.0	8.7	8.0	93.3	80.0
BLACK TAIL (PPG-TF-150)	6.7	6.3	80.0	71.7	9.0	6.0	95.0	70.0	9.0	7.3	95.0	70.0

TABLE 12. (CONT'D) PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/

2014 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	BEFORE TRAFFIC ON APRIL 16				AFTER TRAFFIC IN SPRING (JUNE 3)				BEFORE TRAFFIC ON JULY 1			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
CCR2	7.7	8.3	80.0	83.3	9.0	7.0	93.3	75.0	9.0	7.3	91.7	73.3
FOXHOUND (IS-TF 284 M2)	6.3	6.7	66.7	66.7	8.7	6.3	90.0	55.0	9.0	6.7	91.7	75.0
K12-05	5.3	5.7	60.0	56.7	8.0	4.3	83.3	48.3	8.7	5.0	88.3	58.3
MET 6 SEL	7.3	7.3	78.3	75.0	8.7	6.0	88.3	66.7	9.0	6.3	93.3	80.0
PPG-TF-135	8.7	8.0	85.0	83.3	9.0	7.3	95.0	71.7	9.0	8.3	93.3	81.7
PST-5BPO	8.0	7.7	78.3	76.7	8.3	6.7	88.3	66.7	8.0	7.0	90.0	76.7
W41	6.3	6.7	70.0	68.3	8.7	6.7	91.7	68.3	8.7	6.3	91.7	75.0
DZ1	7.3	7.3	75.0	76.7	9.0	7.3	88.3	71.7	8.7	7.0	91.7	71.7
IS-TF 307 SEL	7.0	7.3	75.0	78.3	9.0	6.3	90.0	61.7	9.0	6.3	91.7	66.7
K12-13	5.0	5.7	50.0	53.3	8.7	5.0	85.0	53.3	8.7	6.0	91.7	75.0
FIRECRACKER SLS (PPG-TF-105)	7.3	7.3	81.7	78.3	8.7	5.7	93.3	55.0	9.0	6.7	91.7	70.0
PPG-TF-169	7.0	6.7	78.3	76.7	8.3	5.7	90.0	58.3	9.0	6.7	91.7	66.7
PPG-TF-170	7.3	7.7	76.7	78.3	9.0	5.7	93.3	61.7	8.7	7.0	93.3	71.7
PSG-P01	7.3	8.0	75.0	71.7	8.7	5.0	85.0	63.3	8.0	5.0	86.7	55.0
PST-5EX2	9.0	9.0	83.3	85.0	8.0	6.0	75.0	58.3	8.0	7.0	85.0	70.0
ATF 1736	8.0	8.0	78.3	75.0	8.3	5.7	88.3	66.7	8.7	6.7	93.3	66.7
BULLSEYE	7.7	7.7	80.0	75.0	9.0	5.7	91.7	61.7	8.7	6.0	90.0	66.7
HOVER (BURL TF-69)	7.0	7.0	73.3	70.0	8.7	5.3	93.3	58.3	9.0	5.3	91.7	66.7
IS-TF 285	7.0	7.7	73.3	76.7	8.3	6.3	86.7	68.3	8.7	7.3	90.0	76.7
JS 819	5.7	6.7	65.0	70.0	8.0	5.7	81.7	61.7	7.3	5.7	80.0	71.7
PSG-GSD	8.3	8.0	78.3	76.7	8.3	6.7	86.7	70.0	8.7	7.3	93.3	75.0
PST-5EV2	7.3	7.7	73.3	71.7	8.7	7.0	93.3	75.0	9.0	8.7	95.0	80.0
MERIDIAN (PST-5GRB)	8.3	8.3	80.0	76.7	8.7	7.7	93.3	73.3	9.0	8.3	93.3	78.3
RAD-TF-83	6.0	7.3	65.0	71.7	8.0	5.0	78.3	63.3	8.3	5.7	85.0	65.0
ROWDY (SRX-TPC)	7.3	7.3	78.3	70.0	9.0	6.0	90.0	61.7	8.7	7.0	93.3	71.7
ANNIHILATOR	6.7	7.0	70.0	68.3	8.3	5.7	85.0	56.7	8.3	6.3	81.7	70.0
ATF 1612	6.7	7.7	75.0	76.7	9.0	6.3	90.0	68.3	9.0	7.0	90.0	71.7
BAR FA 121089	5.3	6.0	63.3	66.7	7.7	4.7	76.7	55.0	7.0	5.7	85.0	68.3
CAESAR (TY 10)	7.7	7.7	76.7	71.7	8.3	5.3	81.7	50.0	8.3	5.7	86.7	63.3
IS-TF 272	6.7	7.0	68.3	68.3	8.3	4.0	86.7	53.3	8.7	6.3	88.3	65.0
IS-TF 276 M2	6.7	7.0	55.0	63.3	8.0	5.0	85.0	61.7	8.7	6.0	85.0	61.7
K12-MCD	8.0	8.0	80.0	81.7	8.3	4.7	83.3	53.3	8.7	6.7	86.7	73.3
MET-3	7.0	7.3	71.7	78.3	8.7	6.0	93.3	71.7	9.0	7.3	91.7	71.7
PPG-TF-137	6.3	7.0	73.3	80.0	8.7	6.7	86.7	65.0	9.0	7.3	95.0	78.3
PST-5DZP	7.0	7.3	68.3	68.3	8.7	6.3	86.7	61.7	8.3	7.3	86.7	70.0
WARHAWK	5.7	6.3	58.3	58.3	7.0	5.0	78.3	48.3	7.7	5.3	80.0	68.3
AQUADUCT	6.7	6.7	73.3	68.3	8.0	5.7	80.0	56.7	7.3	6.7	81.7	73.3
BAR FA 120878	5.3	5.3	50.0	50.0	6.3	4.3	68.3	45.0	6.3	6.0	73.3	63.3
BIZEM	7.7	8.0	78.3	81.7	9.0	6.0	90.0	70.0	9.0	8.3	90.0	78.3
TURFWAY (IS-TF 282 M2)	7.7	7.3	80.0	75.0	8.7	6.0	88.3	60.0	9.0	6.3	90.0	68.3
MICHELANGELO (LTP-F5DPDR)	7.7	7.3	76.7	73.3	8.3	5.3	88.3	65.0	8.7	6.7	91.7	73.3
MARAUDER	6.3	5.7	61.7	58.3	7.7	3.3	81.7	43.3	8.0	5.7	85.0	63.3
PST-5MVD	6.7	7.7	70.0	76.7	8.3	5.7	88.3	58.3	8.7	7.0	86.7	73.3
SWAGGER (PST-5R05)	7.0	7.7	75.0	78.3	8.3	6.0	88.3	55.0	8.3	7.0	86.7	73.3
ARES (PPG-TF-142)	7.0	8.0	71.7	75.0	8.7	4.7	85.0	50.0	8.7	6.3	90.0	71.7

Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

TABLE 12. (CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2014 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	BEFORE TRAFFIC ON APRIL 16				AFTER TRAFFIC IN SPRING (JUNE 3)				BEFORE TRAFFIC ON JULY 1			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FAITH	7.3	7.0	80.0	75.0	9.0	5.0	91.7	56.7	8.7	6.7	93.3	71.7
IS-TF 305 SEL	6.7	7.3	75.0	73.3	8.7	6.0	88.3	66.7	8.7	6.7	90.0	70.0
JS 809	5.3	6.0	58.3	65.0	7.7	4.3	85.0	51.7	8.3	6.3	86.7	63.3
JS 818	6.3	6.3	66.7	66.7	8.0	5.0	85.0	53.3	8.3	6.7	86.7	65.0
ROCKWELL (LTP-TWUU)	8.7	8.7	80.0	85.0	9.0	7.0	95.0	75.0	9.0	7.3	93.3	75.0
PSG-TT4	7.3	8.0	78.3	78.3	7.7	5.7	78.3	58.3	8.3	7.0	88.3	71.7
TRAVERSE 2 SRP (W45)	7.3	7.3	81.7	80.0	9.0	7.0	93.3	73.3	9.0	7.3	95.0	73.3
LEONARDO (LTP-FSD)	8.0	7.3	78.3	78.3	8.3	5.0	88.3	56.7	8.7	6.0	90.0	65.0
PPG-TF-115	7.0	7.7	73.3	75.0	8.0	5.7	83.3	53.3	8.7	6.7	91.7	70.0
DYNAMITE LS (PPG-TF-145)	7.0	7.0	71.7	71.7	8.3	5.7	88.3	58.3	8.7	6.3	86.7	65.0
PPG-TF-151	7.0	6.7	73.3	70.0	8.3	5.0	90.0	61.7	8.7	7.0	90.0	80.0
THOR (PPG-TF-157)	7.7	7.3	78.3	73.3	8.7	5.7	91.7	58.3	9.0	5.7	90.0	63.3
RAIN DANCE (PST-5SDT)	7.3	8.3	76.7	76.7	8.0	5.7	86.7	56.7	8.7	7.0	86.7	75.0
KINGDOM (DB1)	7.0	6.7	68.3	71.7	9.0	6.0	93.3	61.7	8.7	6.7	90.0	68.3
INSPIRATION (PST-R5NW)	7.3	6.7	75.0	71.7	8.0	5.7	81.7	58.3	8.0	6.7	86.7	68.3
SALTILLO (PST-5SALT)	6.7	7.0	73.3	73.3	8.7	6.0	86.7	56.7	8.7	7.0	93.3	68.3
THUNDERSTRUCK (TD1)	6.3	6.3	63.3	63.3	8.3	5.7	88.3	58.3	8.3	6.0	85.0	70.0
BAR FA 121091	6.0	6.3	61.7	61.7	7.0	4.0	78.3	43.3	7.7	6.0	78.3	63.3
FALCON IV	7.0	7.7	76.7	75.0	8.0	6.0	85.0	61.7	8.7	7.0	86.7	66.7
PST-5BRK	7.3	8.0	71.7	78.3	8.7	6.3	88.3	60.0	8.7	7.0	88.3	65.0
TERRANO	7.0	7.3	71.7	71.7	7.7	4.7	81.7	55.0	8.7	6.3	85.0	71.7
FESNOVA	7.7	7.0	78.3	71.7	8.7	6.3	88.3	60.0	9.0	6.0	95.0	73.3
FRONTLINE (EXP TF-09)	6.7	7.0	71.7	65.0	8.0	5.0	76.7	46.7	7.3	5.0	76.7	53.3
TEMPTATION (OR-21)	6.7	7.0	68.3	71.7	7.7	4.7	81.7	45.0	7.7	5.3	83.3	63.3
JS 825	5.3	5.7	56.7	56.7	7.0	3.7	70.0	41.7	7.3	6.0	78.3	60.0
KY-31	5.3	5.3	56.7	53.3	6.3	3.7	63.3	38.3	6.3	5.0	63.3	50.0
LSD VALUE	1.7	1.6	12.8	11.5	0.7	2.3	7.3	18.4	0.7	2.1	6.1	16.9
C.V. (%)	12.7	11.7	10.0	9.2	5.3	19.2	5.2	15.7	5.0	14.6	4.3	11.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

*/ TRAFFIC WAS APPLIED AS ONE PASS PER WEEK OF THE CADY TRAFFIC SIMULATOR (CTS) AND ONE PASS PER WEEK OF THE RUTGERS WEAR SIMULATOR (RWS) WERE MADE FOR EIGHT WEEKS (16 TOTAL PASSES) IN SPRING, SUMMER AND FALL.

TABLE 12. (CONT'D) PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/

2014 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 19)				BEFORE TRAFFIC ON SEPTEMBER 15				AFTER TRAFFIC IN FALL (NOVEMBER 11)			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
HOT ROD (BURL TF-136)	9.0	5.3	96.3	58.3	9.0	6.7	93.3	66.7	9.0	5.7	93.3	61.7
REGENERATE	9.0	6.0	94.7	65.0	9.0	6.7	94.7	71.7	9.0	6.3	95.0	61.7
TECHNIQUE (RZ2)	9.0	7.0	99.0	68.3	9.0	6.7	93.0	68.3	9.0	6.3	93.3	61.7
4TH MILLENNIUM SRP (U43)	9.0	6.0	91.7	60.0	9.0	6.3	93.3	65.0	9.0	6.0	93.3	60.0
CATALYST	9.0	5.7	88.3	58.3	8.7	6.7	90.0	70.0	9.0	6.3	93.3	60.0
B23	9.0	6.7	93.3	70.0	9.0	7.0	94.7	73.3	9.0	5.7	93.3	58.3
COMP. RES. SST	9.0	5.3	85.0	58.3	8.3	6.0	85.0	65.0	9.0	6.0	91.7	58.3
HEMI	9.0	6.7	96.3	66.7	9.0	7.3	94.7	75.0	9.0	6.3	93.3	56.7
IS-TF 311	9.0	6.0	93.3	61.7	9.0	6.7	91.7	66.7	9.0	5.7	93.3	56.7
RAD-TF-92	9.0	6.3	90.0	60.0	9.0	7.0	93.3	71.7	9.0	5.3	91.7	56.7
RAPTOR III (ZW 44)	9.0	6.0	93.3	56.7	9.0	6.7	96.0	68.3	9.0	6.0	93.3	56.7
REFLECTION (U45)	9.0	6.7	93.0	65.0	9.0	7.7	96.0	80.0	9.0	6.7	93.3	56.7
AVENGER II (PPG-TF-156)	9.0	7.0	95.0	70.0	9.0	6.7	93.3	70.0	9.0	5.7	93.3	55.0
RAD-TF-88	8.7	6.0	93.3	61.7	9.0	6.3	93.3	68.3	9.0	5.7	93.3	55.0
ATF 1704	9.0	6.7	94.7	71.7	9.0	7.7	96.3	76.7	9.0	5.0	95.0	53.3
F711	9.0	5.7	91.7	58.3	9.0	6.3	96.0	66.7	9.0	6.3	95.0	53.3
IS-TF 310 SEL	9.0	6.3	95.0	61.7	9.0	6.3	94.7	65.0	9.0	6.0	90.0	53.3
DIABLO (IS-TF 330)	9.0	6.0	91.7	63.3	9.0	6.7	91.7	70.0	9.0	5.3	95.0	53.3
IS-TF-287	8.7	6.0	90.0	58.3	9.0	6.7	91.7	68.3	9.0	5.7	91.7	53.3
JS 916	9.0	6.7	93.3	65.0	9.0	6.3	91.7	68.3	9.0	5.7	93.3	53.3
PPG-TF-172	9.0	5.7	95.0	60.0	9.0	6.0	90.0	61.7	9.0	5.0	95.0	53.3
FIREWALL (PSG-WE1)	9.0	6.7	95.0	61.7	9.0	6.7	94.7	70.0	9.0	5.7	95.0	53.3
RAD-TF-89	9.0	6.0	93.3	58.3	8.7	6.7	88.3	70.0	9.0	6.0	91.7	53.3
RHAMBLER 2 SRP (LSD)	8.7	5.7	93.3	53.3	8.7	6.0	91.3	60.0	9.0	6.3	88.3	53.3
TITANIUM 2LS (PPG-TF-152)	9.0	5.7	95.0	61.7	9.0	6.3	91.7	66.7	9.0	5.3	93.3	53.3
GRANDE 3	9.0	4.3	93.3	51.7	8.7	6.7	93.0	68.3	9.0	5.7	90.0	51.7
FAYETTE (IS-TF 291)	9.0	5.0	91.7	51.7	8.7	6.0	90.0	63.3	9.0	5.7	93.3	51.7
IS-TF 308 SEL	9.0	5.0	91.7	55.0	9.0	5.7	95.0	58.3	9.0	5.3	93.3	51.7
PPG-TF-138	8.3	5.7	91.7	55.0	9.0	6.0	91.7	63.3	9.0	4.7	88.3	51.7
SCREAMER LS (PPG-TF-148)	8.7	5.3	93.3	60.0	9.0	6.7	93.3	68.3	9.0	5.3	93.3	51.7
MAESTRO (T31)	9.0	4.7	95.0	53.3	9.0	6.7	96.3	66.7	9.0	5.3	91.7	51.7
204 RES. BLK4	8.3	4.7	88.3	48.3	8.7	5.7	88.3	56.7	9.0	5.3	93.3	50.0
BAR FA 121095	9.0	6.3	93.3	65.0	8.0	6.7	81.7	68.3	8.7	5.0	85.0	50.0
FALCON V	9.0	5.7	95.0	61.7	9.0	6.3	91.7	68.3	9.0	4.7	93.3	50.0
GO-DFR	8.7	5.3	90.0	61.7	9.0	6.0	91.7	61.7	8.3	4.3	90.0	50.0
PICK-W43	9.0	4.7	91.7	48.3	9.0	6.3	93.3	66.7	9.0	5.3	90.0	50.0
PSG-8BP2	8.0	5.0	85.0	51.7	8.3	6.3	86.7	68.3	7.7	5.0	81.7	50.0
ATF 1754	9.0	5.7	93.3	56.7	8.7	6.3	90.0	66.7	9.0	4.7	91.7	48.3
FIREBIRD 2	8.7	6.0	95.0	65.0	9.0	6.7	94.7	70.0	9.0	4.7	93.3	48.3
GTO (BURL TF-2)	9.0	7.0	91.7	70.0	9.0	7.0	94.7	75.0	9.0	4.7	91.7	48.3
IS-TF 269 SEL	9.0	5.0	95.0	55.0	9.0	6.0	90.0	60.0	9.0	5.0	91.7	48.3
IS-TF 289	9.0	5.7	93.3	60.0	8.7	5.7	88.3	60.0	9.0	4.7	90.0	48.3
MET 1	9.0	5.7	94.7	65.0	9.0	6.3	96.3	66.7	9.0	5.0	95.0	48.3
XTENDER (PPG-TF-139)	9.0	5.3	91.7	53.3	8.7	6.0	91.3	65.0	8.7	4.7	90.0	48.3
BLACK TAIL (PPG-TF-150)	9.0	4.7	93.3	50.0	9.0	5.7	97.7	56.7	8.7	5.0	91.7	48.3

TABLE 12. (CONT'D) PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/

2014 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 19)				BEFORE TRAFFIC ON SEPTEMBER 15				AFTER TRAFFIC IN FALL (NOVEMBER 11)			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
CCR2	9.0	4.0	91.7	50.0	9.0	6.0	91.7	61.7	8.7	4.0	93.3	46.7
FOXHOUND (IS-TF 284 M2)	9.0	6.0	91.7	53.3	9.0	6.0	90.0	61.7	9.0	4.7	90.0	46.7
K12-05	8.7	4.3	86.7	46.7	8.7	6.0	88.3	61.7	9.0	4.0	90.0	46.7
MET 6 SEL	9.0	5.3	96.3	53.3	8.7	5.7	90.0	56.7	8.7	5.0	91.7	46.7
PPG-TF-135	9.0	6.0	93.3	65.0	9.0	6.3	94.7	66.7	9.0	5.0	93.3	46.7
PST-5BPO	8.7	6.3	90.0	65.0	8.7	6.7	90.0	70.0	8.7	4.7	81.7	46.7
W41	9.0	4.3	90.0	45.0	9.0	5.3	93.3	55.0	8.7	4.3	91.7	46.7
DZ1	9.0	6.0	93.0	61.7	9.0	6.3	90.0	68.3	9.0	5.0	91.7	45.0
IS-TF 307 SEL	9.0	5.7	94.7	61.7	9.0	6.0	90.0	65.0	9.0	4.7	93.3	45.0
K12-13	8.7	4.7	88.3	50.0	8.7	6.0	90.0	63.3	8.7	4.7	88.3	45.0
FIRECRACKER SLS (PPG-TF-105)	9.0	4.7	91.7	45.0	8.7	5.3	90.0	53.3	9.0	4.3	91.7	45.0
PPG-TF-169	9.0	4.3	93.0	50.0	8.7	5.3	90.0	56.7	9.0	5.3	90.0	45.0
PPG-TF-170	9.0	5.7	91.7	55.0	8.7	6.3	90.0	66.7	9.0	4.3	91.7	45.0
PSG-P01	8.7	3.3	93.3	45.0	9.0	6.7	93.3	68.3	9.0	4.3	90.0	45.0
PST-5EX2	8.0	5.7	86.7	60.0	8.7	6.7	86.7	71.7	8.0	4.7	81.7	45.0
ATF 1736	8.0	5.3	91.7	58.3	8.7	6.7	90.0	68.3	9.0	5.0	91.7	43.3
BULLSEYE	9.0	4.7	91.7	45.0	9.0	6.0	91.7	61.7	9.0	4.3	91.7	43.3
HOVER (BURL TF-69)	9.0	6.7	95.0	70.0	9.0	6.7	91.7	71.7	9.0	5.3	90.0	43.3
IS-TF 285	8.7	5.0	91.7	51.7	8.7	6.3	90.0	66.7	9.0	4.3	88.3	43.3
JS 819	8.0	5.3	86.7	61.7	8.0	5.3	81.7	56.7	8.7	4.3	78.3	43.3
PSG-GSD	8.7	6.3	88.3	61.7	8.7	6.7	90.0	70.0	8.0	4.0	85.0	43.3
PST-5EV2	8.7	5.3	95.0	60.0	9.0	6.7	96.0	68.3	9.0	5.0	90.0	43.3
MERIDIAN (PST-5GRB)	9.0	6.7	94.7	66.7	9.0	7.0	94.7	73.3	9.0	5.3	90.0	43.3
RAD-TF-83	8.3	5.0	86.7	46.7	8.3	6.3	85.0	65.0	8.3	4.0	88.3	43.3
ROWDY (SRX-TPC)	9.0	5.3	95.0	55.0	8.7	7.0	90.0	70.0	8.7	4.0	88.3	43.3
ANNIHILATOR	8.3	5.0	83.3	61.7	8.0	5.7	81.7	60.0	8.3	4.7	90.0	41.7
ATF 1612	9.0	4.7	90.0	50.0	9.0	6.3	96.3	61.7	9.0	4.3	90.0	41.7
BAR FA 121089	8.3	5.3	85.0	55.0	7.7	5.0	80.0	51.7	8.0	4.3	78.3	41.7
CAESAR (TY 10)	8.3	4.3	85.0	48.3	8.7	6.0	88.3	65.0	8.3	4.3	86.7	41.7
IS-TF 272	8.3	4.0	91.7	53.3	9.0	6.0	90.0	58.3	9.0	4.3	91.7	41.7
IS-TF 276 M2	8.0	4.0	83.3	50.0	8.0	6.0	85.0	63.3	8.7	4.0	85.0	41.7
K12-MCD	8.7	5.3	90.0	56.7	8.7	6.7	90.0	68.3	9.0	4.0	90.0	41.7
MET-3	8.7	4.3	91.7	50.0	9.0	5.7	95.0	60.0	8.7	4.3	93.3	41.7
PPG-TF-137	9.0	6.3	93.3	61.7	9.0	6.7	91.7	68.3	9.0	4.3	93.3	41.7
PST-5DZP	8.7	4.7	91.7	48.3	8.7	6.7	90.0	70.0	8.7	3.7	81.7	41.7
WARHAWK	8.0	4.7	81.7	51.7	7.3	5.7	78.3	61.7	8.0	3.7	80.0	41.7
AQUADUCT	8.0	6.3	85.0	58.3	8.3	6.3	85.0	63.3	8.7	4.3	86.7	40.0
BAR FA 120878	7.0	5.3	70.0	48.3	6.3	4.3	66.7	45.0	7.0	4.3	63.3	40.0
BIZEM	9.0	4.7	95.0	56.7	9.0	6.0	91.7	65.0	9.0	4.7	91.7	40.0
TURFWAY (IS-TF 282 M2)	8.7	5.3	93.3	60.0	9.0	6.0	90.0	65.0	9.0	4.7	90.0	40.0
MICHELANGELO (LTP-F5DPDR)	9.0	5.7	90.0	58.3	9.0	6.0	91.7	61.7	9.0	5.3	90.0	40.0
MARAUDER	8.0	4.0	88.3	45.0	8.0	5.3	83.3	56.7	8.7	4.3	88.3	40.0
PST-5MVD	8.3	5.0	90.0	51.7	8.7	6.3	88.3	68.3	8.3	3.7	90.0	40.0
SWAGGER (PST-5R05)	8.7	5.7	85.0	55.0	8.7	6.7	88.3	70.0	8.7	3.7	85.0	40.0
ARES (PPG-TF-142)	8.7	4.7	90.0	46.7	8.3	5.3	85.0	55.0	8.7	3.7	90.0	38.3

TABLE 12. (CONT'D) PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
 2014 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 19)				BEFORE TRAFFIC ON SEPTEMBER 15				AFTER TRAFFIC IN FALL (NOVEMBER 11)			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FAITH	9.0	5.7	90.0	48.3	8.7	6.3	90.0	65.0	8.7	4.7	90.0	38.3
IS-TF 305 SEL	9.0	3.7	91.7	43.3	8.7	5.3	88.3	56.7	8.7	3.7	88.3	38.3
JS 809	8.3	5.3	81.7	51.7	8.3	6.0	85.0	65.0	8.7	4.3	83.3	38.3
JS 818	8.3	4.7	85.0	53.3	8.7	5.7	86.7	60.0	8.3	4.3	85.0	38.3
ROCKWELL (LTP-TWUU)	9.0	5.3	93.3	51.7	9.0	6.0	96.3	63.3	9.0	4.3	91.7	38.3
PSG-TT4	8.3	5.3	83.3	56.7	8.3	5.3	83.3	58.3	8.0	4.3	76.7	38.3
TRAVERSE 2 SRP (W45)	9.0	5.3	95.0	50.0	9.0	5.3	96.3	56.7	9.0	5.0	93.3	38.3
LEONARDO (LTP-FSD)	9.0	4.3	93.3	50.0	8.7	6.7	90.0	65.0	9.0	3.7	91.7	36.7
PPG-TF-115	8.0	4.7	88.3	55.0	8.3	5.3	88.3	55.0	8.7	4.0	86.7	36.7
DYNAMITE LS (PPG-TF-145)	8.7	4.7	86.7	48.3	8.7	6.0	90.0	61.7	8.0	3.0	85.0	36.7
PPG-TF-151	9.0	5.0	91.7	51.7	8.7	5.7	90.0	60.0	9.0	4.0	90.0	36.7
THOR (PPG-TF-157)	8.7	4.7	91.7	51.7	9.0	5.3	91.7	56.7	9.0	4.7	90.0	36.7
RAIN DANCE (PST-5SDT)	8.7	6.0	88.3	61.7	8.0	6.0	83.3	61.7	8.3	3.3	81.7	36.7
KINGDOM (DB1)	8.7	4.3	90.0	45.0	8.7	6.0	90.0	63.3	9.0	3.3	90.0	35.0
INSPIRATION (PST-R5NW)	8.0	6.3	85.0	66.7	8.3	6.0	85.0	63.3	8.0	3.3	80.0	35.0
SALTILLO (PST-5SALT)	9.0	5.0	91.7	58.3	8.7	6.0	88.3	61.7	8.7	4.0	81.7	35.0
THUNDERSTRUCK (TD1)	9.0	5.0	86.7	55.0	8.3	5.3	88.3	56.7	8.7	3.7	86.7	35.0
BAR FA 121091	8.0	5.3	83.3	53.3	7.7	5.7	76.7	60.0	8.0	2.3	83.3	33.3
FALCON IV	8.0	5.3	83.3	56.7	8.0	5.7	85.0	61.7	7.7	3.3	85.0	33.3
PST-5BRK	8.7	5.0	85.0	50.0	9.0	6.3	91.7	65.0	8.7	3.3	83.3	33.3
TERRANO	8.7	4.3	83.3	41.7	8.7	5.7	88.3	58.3	8.0	2.7	85.0	33.3
FESNOVA	8.7	5.0	91.7	51.7	9.0	6.7	93.3	70.0	8.7	3.3	85.0	31.7
FRONTLINE (EXP TF-09)	8.0	4.0	81.7	46.7	7.7	5.7	80.0	60.0	7.7	3.3	73.3	31.7
TEMPTATION (OR-21)	8.3	4.0	86.7	45.0	8.7	5.3	90.0	55.0	8.0	2.7	83.3	31.7
JS 825	8.0	3.3	78.3	38.3	7.3	5.0	75.0	50.0	7.3	1.7	73.3	26.7
KY-31	7.0	3.3	70.0	31.7	6.0	4.0	61.7	45.0	6.0	1.3	61.7	20.0
LSD VALUE	0.5	3.8	5.2	34.4	0.7	3.3	6.6	28.8	0.5	2.2	5.3	19.2
C.V. (%)	3.8	23.8	3.7	20.3	4.7	15.5	4.6	14.6	3.6	24.8	3.9	21.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

*/ TRAFFIC WAS APPLIED AS ONE PASS PER WEEK OF THE CADY TRAFFIC SIMULATOR (CTS) AND ONE PASS PER WEEK OF THE RUTGERS WEAR SIMULATOR (RWS) WERE MADE FOR EIGHT WEEKS (16 TOTAL PASSES) IN SPRING, SUMMER AND FALL.

TABLE 13. PERCENT LIVING GROUND COVER RATINGS OF TALL FESCUE CULTIVARS 1/
 Taken from the 2012 Tall Fescue test - 2014 data reprinted with permission from NTEP
 GROWN UNDER TRAFFIC STRESS AT UNIVERSITY PARK, PA 2/
 2014 DATA

NAME	BEFORE	TRAFFIC	AFTER
	TRAFFIC		TRAFFIC
	9_4	9_4	11_1
TECHNIQUE (RZ2)	99.0	97.3	93.0
ATF 1704	99.0	99.0	92.7
MERIDIAN (PST-5GRB)	99.0	99.0	92.7
IS-TF 269 SEL	98.3	99.0	91.7
PPG-TF-137	99.0	99.0	91.7
RHAMBLER 2 SRP (LSD)	99.0	99.0	91.7
SCREAMER LS (PPG-TF-148)	99.0	99.0	91.5
TRAVERSE 2 SRP (W45)	99.0	99.0	91.5
HEMI	99.0	99.0	91.3
HOT ROD (BURL TF-136)	99.0	85.7	91.3
ATF 1736	99.0	99.0	91.0
F711	99.0	99.0	91.0
GTO (BURL TF-2)	99.0	98.0	91.0
K12-MCD	98.7	99.0	91.0
PST-5EV2	99.0	99.0	91.0
PST-5EX2	99.0	97.7	91.0
RAPTOR III (ZW 44)	99.0	99.0	91.0
ATF 1754	98.7	99.0	90.3
MET 6 SEL	99.0	98.0	90.3
INSPIRATION (PST-R5NW)	99.0	99.0	89.3
IS-TF 276 M2	99.0	98.0	89.3
IS-TF 289	99.0	99.0	89.3
FAYETTE (IS-TF 291)	99.0	99.0	89.3
THOR (PPG-TF-157)	99.0	99.0	89.3
CATALYST	98.7	98.7	88.7
CCR2	99.0	98.7	88.7
XTENDER (PPG-TF-139)	99.0	99.0	88.7
IS-TF 307 SEL	99.0	99.0	88.3
ROWDY (SRX-TPC)	99.0	99.0	88.3
FIREBIRD 2	97.7	97.3	88.0
MET 1	99.0	99.0	88.0
PPG-TF-138	99.0	98.7	88.0
REFLECTION (U45)	98.0	99.0	88.0
AQUADUCT	99.0	99.0	87.7
JS 825	98.3	98.0	87.7
JS 916	99.0	99.0	87.7
LEONARDO (LTP-FSD)	99.0	98.7	87.7
PST-5DZP	99.0	99.0	87.7
PST-5MVD	99.0	98.7	87.7
THUNDERSTRUCK (TD1)	97.7	98.7	87.7
GRANDE 3	99.0	98.7	86.7
PPG-TF-135	99.0	92.0	86.7
TEMPTATION (OR-21)	99.0	97.5	86.5
PPG-TF-170	98.7	98.3	86.3
PST-5BRK	99.0	98.7	86.3
BULLSEYE	98.3	98.7	86.0
FAITH	99.0	99.0	86.0

TABLE 13. PERCENT LIVING GROUND COVER RATINGS OF TALL FESCUE CULTIVARS 1/
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP.
 (cont'd) GROWN UNDER TRAFFIC STRESS AT UNIVERSITY PARK, PA 2/
 2014 DATA

NAME	BEFORE	TRAFFIC	AFTER
	TRAFFIC		TRAFFIC
	9_4	9_4	11_1
FALCON V	97.7	99.0	86.0
GO-DFR	99.0	98.3	86.0
IS-TF 311	99.0	99.0	86.0
JS 818	97.3	98.3	86.0
PICK-W43	98.7	98.0	86.0
FIRECRACKER SLS (PPG-TF-105)	99.0	99.0	86.0
PSG-GSD	98.7	98.0	86.0
RAD-TF-89	96.7	98.0	86.0
RAIN DANCE (PST-5SDT)	99.0	99.0	86.0
WARHAWK	99.0	98.0	86.0
DZ1	99.0	98.7	85.3
IS-TF 272	98.3	99.0	85.3
W41	99.0	99.0	85.3
ANNIHILATOR	99.0	97.0	85.0
KINGDOM (DB1)	98.3	97.7	85.0
IS-TF 308 SEL	99.0	98.7	85.0
DIABLO (IS-TF 330)	99.0	99.0	85.0
IS-TF-287	99.0	99.0	85.0
TITANIUM 2LS (PPG-TF-152)	99.0	99.0	85.0
PPG-TF-169	99.0	97.7	85.0
PSG-TT4	99.0	98.0	85.0
4TH MILLENNIUM SRP (U43)	99.0	98.3	85.0
PPG-TF-172	99.0	98.7	84.7
FRONTLINE (EXP TF-09)	99.0	97.5	84.5
BAR FA 121095	96.0	95.7	84.3
COMP. RES. SST	98.7	95.3	84.3
IS-TF 285	99.0	99.0	84.3
DYNAMITE LS (PPG-TF-145)	98.7	98.3	84.3
SWAGGER (PST-5R05)	99.0	99.0	84.3
RAD-TF-88	98.7	98.7	84.3
SALTILLO (PST-5SALT)	99.0	99.0	84.3
REGENERATE	99.0	96.0	83.7
PSG-P01	98.7	99.0	83.3
FIREWALL (PSG-WE1)	98.3	98.3	83.3
JS 819	98.0	97.0	82.7
MARAUDER	99.0	96.7	82.7
PSG-8BP2	99.0	99.0	82.7
PPG-TF-115	98.0	99.0	82.0
TURFWAY (IS-TF 282 M2)	99.0	98.7	81.7
ARES (PPG-TF-142)	98.7	99.0	81.7
RAD-TF-92	97.7	97.3	81.7
HOVER (BURL TF-69)	98.3	98.3	81.0
K12-05	98.3	93.0	81.0
ATF 1612	98.7	97.7	80.0
BAR FA 120878	98.3	95.0	80.0
FOXHOUND (IS-TF 284 M2)	98.3	99.0	80.0
IS-TF 305 SEL	99.0	99.0	79.3

NAME	BEFORE TRAFFIC 9_4	TRAFFIC 9_4	AFTER TRAFFIC 11_1
AVENGER II (PPG-TF-156)	99.0	97.3	79.3
BAR FA 121089	97.0	97.0	79.0
CAESAR (TY 10)	97.0	98.0	79.0
PPG-TF-151	99.0	98.5	79.0
B23	97.7	96.7	78.3
FALCON IV	99.0	98.7	78.3
RAD-TF-83	98.3	94.0	78.3
FESNOVA	97.3	97.7	77.0
BAR FA 121091	94.7	91.0	76.7
BIZEM	99.0	99.0	76.7
JS 809	99.0	97.7	76.7
MET-3	99.0	99.0	76.7
IS-TF 310 SEL	99.0	98.3	76.0
204 RES. BLK4	99.0	92.0	74.3
TERRANO	98.0	98.7	74.3
PST-5BPO	99.0	89.3	73.3
ROCKWELL (LTP-TWUU)	99.0	98.7	72.0
BLACK TAIL (PPG-TF-150)	99.0	95.0	71.0
MICHELANGELO (LTP-F5DPDR)	99.0	96.3	69.3
MAESTRO (T31)	99.0	92.7	69.3
K12-13	97.7	80.0	60.7
KY-31	98.7	90.7	60.0
LSD VALUE	2.1	10.4	19.5
C.V. (%)	0.9	4.0	9.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
 2014 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS										QUALITY RATINGS			
													AFTER TRAFFIC		RECOVERY FROM TRAFFIC	
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	PRETRAFFIC SEP 12	OCT 17 10 GAME	NOV 10 20 GAME	NOV 24 2-WEEKS	DEC 8 1-MONTH	
ATF 1736	7.7	6.7	5.3	5.7	7.3	8.0	7.0	8.7	8.7	8.3	8.7	7.0	7.3	7.0	7.0	
GRANDE 3	7.7	7.0	6.0	6.0	7.7	8.0	7.0	9.0	9.0	8.0	8.7	7.0	7.3	6.7	7.0	
HEMI	8.3	7.0	6.0	5.7	7.7	8.3	7.0	8.3	8.3	8.3	8.7	6.7	7.3	7.0	7.0	
PPG-TF-115	7.7	7.0	6.0	6.0	7.0	7.7	7.0	8.0	8.0	8.0	8.3	7.3	7.3	7.3	7.0	
ARES (PPG-TF-142)	8.3	7.0	6.0	6.0	7.3	8.0	7.7	9.0	9.0	8.0	9.0	6.7	6.7	7.3	7.0	
RAD-TF-89	7.3	6.7	5.3	6.0	7.0	7.0	7.0	8.7	8.7	8.0	8.7	7.0	7.0	6.7	7.0	
TRAVERSE 2 SRP (W45)	7.7	6.7	5.7	6.0	7.7	8.0	7.0	8.7	8.7	8.3	9.0	6.7	7.0	6.7	7.0	
WARHAWK	8.0	7.0	6.0	6.0	7.7	7.7	7.0	8.3	8.3	8.3	8.0	7.3	7.3	6.7	7.0	
ATF 1704	7.7	6.7	5.7	5.7	7.3	8.3	7.0	8.3	8.3	8.7	8.7	6.7	6.7	6.7	6.7	
BAR FA 121091	7.3	6.3	5.3	5.7	6.7	6.7	7.0	9.0	9.0	8.0	8.3	7.3	7.0	6.7	6.7	
CATALYST	7.7	6.3	5.3	5.7	7.0	7.7	7.0	8.7	8.7	8.0	8.7	6.3	6.7	6.0	6.7	
FALCON IV	6.7	7.3	6.0	6.3	7.7	8.0	6.7	8.3	8.3	8.3	8.3	7.3	7.0	7.0	6.7	
FIREBIRD 2	6.7	6.7	5.7	5.7	6.7	7.0	6.3	8.3	8.3	8.0	9.0	6.0	6.7	6.7	6.7	
FRONTLINE (EXP TF-09)	7.7	6.3	5.3	5.7	7.3	7.3	7.0	8.7	8.7	8.0	8.7	6.7	6.7	6.0	6.7	
HOT ROD (BURL TF-136)	7.7	6.7	5.7	5.7	7.7	7.7	7.0	9.0	9.0	8.0	9.0	6.7	6.7	6.3	6.7	
FOXHOUND (IS-TF 284 M2)	7.7	6.7	5.7	5.7	7.3	8.3	7.0	8.7	8.7	8.0	8.3	7.0	7.7	7.3	6.7	
IS-TF 285	7.3	6.3	5.3	5.3	6.7	6.7	7.0	8.7	8.7	8.0	9.0	7.0	7.0	6.7	6.7	
FAYETTE (IS-TF 291)	9.0	6.7	5.7	5.7	7.3	7.0	7.0	8.7	8.7	8.3	8.7	6.7	7.3	7.0	6.7	
IS-TF 305 SEL	8.0	7.0	6.0	6.0	7.3	8.3	7.0	8.7	8.7	8.3	9.0	6.7	7.0	6.7	6.7	
DIABLO (IS-TF 330)	8.0	7.0	6.0	6.0	6.7	7.0	7.3	9.0	9.0	8.3	9.0	7.3	7.3	7.0	6.7	
K12-05	7.3	6.3	5.3	5.3	6.7	7.7	7.3	9.0	9.0	8.0	9.0	7.0	6.3	6.3	6.7	
FIRECRACKER SLS (PPG-TF-105)	8.0	6.7	5.7	5.7	7.7	7.7	7.0	9.0	9.0	8.3	8.7	6.7	6.7	6.7	6.7	
AVENGER II (PPG-TF-156)	7.7	7.0	6.0	6.0	8.0	8.0	7.0	8.7	8.7	8.0	9.0	6.7	7.3	6.7	6.7	
PPG-TF-169	7.3	6.7	5.7	5.7	7.7	8.0	7.0	9.0	9.0	8.0	8.3	6.3	7.0	6.7	6.7	
PPG-TF-172	7.3	6.7	5.7	5.7	7.0	7.7	7.7	9.0	9.0	8.0	8.3	6.7	7.0	6.7	6.7	
FIREWALL (PSG-WE1)	7.7	7.0	6.0	6.0	7.7	8.3	7.0	9.0	9.0	8.0	9.0	7.3	7.0	6.7	6.7	
PST-5DZP	7.3	7.0	6.0	6.0	7.7	8.3	7.0	9.0	9.0	8.0	8.7	7.7	7.3	6.3	6.7	
SWAGGER (PST-5R05)	6.3	6.7	4.0	5.7	7.3	8.0	7.0	8.3	8.3	8.0	8.7	7.3	6.7	6.3	6.7	
MAESTRO (T31)	8.0	6.7	5.7	5.7	7.0	7.7	7.0	9.0	9.0	8.0	9.0	7.0	7.0	6.7	6.7	
THUNDERSTRUCK (TD1)	8.0	6.7	5.7	6.0	7.3	7.7	7.0	9.0	9.0	8.3	8.7	7.0	6.7	7.0	6.7	
TEMPTATION (OR-21)	7.3	7.0	6.0	6.0	7.3	8.0	7.0	8.3	8.3	8.0	9.0	7.7	7.3	7.0	6.7	
RAPTOR III (ZW 44)	8.0	6.7	6.0	5.7	7.3	8.0	7.0	8.7	8.7	8.0	8.7	6.0	6.7	6.0	6.7	
204 RES. BLK4	8.0	5.3	5.0	5.0	6.0	6.3	7.0	8.3	8.3	8.7	7.3	6.0	6.3	5.7	6.3	
AQUADUCT	7.3	6.7	5.7	5.7	7.0	7.3	6.3	8.0	8.0	8.0	8.0	6.7	6.7	6.0	6.3	
ATF 1612	8.3	6.7	5.7	5.7	7.3	8.0	7.0	8.7	8.7	8.3	9.0	6.7	7.0	7.0	6.3	
ATF 1754	8.0	7.0	5.7	6.0	7.7	8.0	6.7	8.0	8.0	8.0	8.3	6.7	7.0	7.0	6.3	
BAR FA 121089	6.7	6.3	5.3	5.3	7.7	8.0	6.7	8.0	8.0	8.0	8.7	7.0	7.3	7.0	6.3	
BAR FA 121095	7.0	6.3	5.3	5.7	6.3	6.3	7.0	8.7	8.7	8.3	8.7	6.3	6.7	6.3	6.3	
BULLSEYE	7.7	7.0	6.0	6.0	7.0	8.0	7.0	8.7	8.7	8.0	9.0	6.7	6.7	6.7	6.3	
COMP. RES. SST	7.3	5.7	5.0	5.0	6.0	6.7	7.0	8.7	8.7	8.3	6.7	6.0	6.3	6.0	6.3	
FALCON V	7.3	6.7	5.7	5.7	7.0	8.0	7.0	8.0	8.0	8.3	8.7	6.7	7.0	6.7	6.3	
FESNOVA	7.3	6.3	5.3	5.3	7.7	7.3	7.3	8.0	8.0	8.3	9.0	6.7	6.3	6.3	6.3	
GO-DFR	7.0	6.7	5.7	5.7	7.0	7.7	7.0	8.7	8.7	8.0	8.7	7.3	6.7	7.0	6.3	
GTO (BURL TF-2)	7.7	6.7	5.7	5.7	7.0	7.7	7.0	9.0	9.0	8.0	8.7	7.3	7.0	6.3	6.3	
INSPIRATION (PST-R5NW)	7.0	7.0	5.7	6.0	6.7	7.7	7.0	8.7	8.7	8.0	8.7	7.0	6.7	6.7	6.3	

TABLE 14. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
 2014 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							QUALITY RATINGS					
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	PRETRAFFIC SEP 12	AFTER TRAFFIC OCT 17 10 GAME	RECOVERY FROM TRAFFIC NOV 10 20 GAME	NOV 24 2-WEEKS	DEC 8 1-MONTH
IS-TF 272	7.7	6.7	5.7	5.7	7.0	7.7	8.0	9.0	9.0	8.7	9.0	7.3	7.3	7.0	6.3
IS-TF 276 M2	8.0	7.0	6.0	6.0	7.0	7.3	7.0	9.0	9.0	8.0	8.7	6.7	7.3	6.7	6.3
IS-TF 289	8.0	7.0	6.0	6.0	7.0	7.7	7.7	8.7	8.7	8.0	9.0	7.3	7.3	7.0	6.3
IS-TF 307 SEL	7.7	7.0	5.7	5.7	7.3	8.0	7.0	8.7	8.7	8.3	8.3	6.7	6.7	6.3	6.3
IS-TF 308 SEL	8.0	7.0	6.0	6.0	7.7	8.3	7.0	9.0	9.0	8.3	9.0	7.0	6.3	6.0	6.3
IS-TF 310 SEL	8.3	7.0	6.0	6.0	7.0	7.3	7.7	9.0	9.0	8.0	9.0	6.7	6.7	6.7	6.3
IS-TF 311	8.3	6.7	5.7	5.7	7.3	8.0	7.0	8.3	8.3	8.7	8.7	7.0	6.7	6.3	6.3
K12-MCD	6.7	6.7	5.3	5.3	7.3	7.0	7.0	8.3	8.3	8.3	8.3	6.3	6.7	6.0	6.3
LEONARDO (LTP-FSD)	7.7	6.3	5.3	5.7	7.3	7.7	7.0	8.3	8.3	8.0	9.0	6.3	6.3	6.3	6.3
MET 1	8.0	5.7	5.0	5.0	7.0	6.7	6.7	9.0	9.0	8.0	8.7	6.3	6.7	6.3	6.3
PICK-W43	8.7	6.3	5.3	5.7	7.3	7.7	7.0	9.0	9.0	8.3	9.0	6.7	7.0	6.7	6.3
XTENDER (PPG-TF-139)	7.3	6.3	5.3	5.3	5.7	6.7	7.3	9.0	9.0	8.3	8.7	6.7	6.7	6.7	6.3
DYNAMITE LS (PPG-TF-145)	7.7	7.0	6.0	5.7	6.3	7.3	7.0	8.7	8.7	8.0	9.0	7.3	7.0	6.3	6.3
SCREAMER LS (PPG-TF-148)	7.3	6.7	5.7	5.7	7.0	8.0	7.0	9.0	9.0	8.3	8.3	6.7	6.3	6.3	6.3
PPG-TF-151	7.3	6.3	5.3	5.3	7.7	8.3	7.0	9.0	9.0	8.3	9.0	7.0	7.0	7.0	6.3
PSG-PO1	8.3	7.0	6.0	5.7	7.3	8.3	7.0	8.7	8.7	8.0	8.7	7.0	6.7	6.7	6.3
RAD-TF-92	7.3	6.7	5.7	5.7	7.7	8.0	7.0	8.7	8.7	8.3	9.0	6.7	6.7	6.7	6.3
RHAMBLER 2 SRP (LSD)	8.3	6.3	5.7	5.7	7.0	7.7	7.0	8.3	8.3	8.3	9.0	6.3	6.7	6.3	6.3
SALTILLO (PST-5SALT)	6.0	7.0	5.7	6.0	6.3	7.3	7.0	8.7	8.7	8.3	8.7	7.3	6.7	6.3	6.3
ROWDY (SRX-TPC)	7.3	7.0	6.0	6.0	7.7	7.7	7.0	9.0	9.0	8.3	8.7	7.3	7.3	6.3	6.3
TERRANO	7.3	6.3	5.3	5.7	7.0	7.3	7.0	8.7	9.0	8.0	9.0	7.0	6.3	6.3	6.3
REFLECTION (U45)	8.0	6.0	5.3	5.3	7.3	7.7	7.0	8.3	8.3	8.0	9.0	7.3	7.7	6.3	6.3
W41	7.3	6.7	5.0	5.7	6.3	7.0	7.0	9.0	9.0	8.3	8.7	6.7	6.7	6.3	6.3
ANNIHILATOR	8.0	6.0	5.0	5.0	6.3	7.0	7.0	8.3	8.3	8.3	7.3	5.3	6.0	5.7	6.0
HOVER (BURL TF-69)	6.3	6.7	5.7	5.7	7.3	7.7	7.0	9.0	9.0	8.0	8.0	6.7	6.3	6.0	6.0
CAESAR (TY 10)	8.0	5.7	5.0	5.3	6.7	6.7	7.0	8.3	8.3	7.7	8.7	6.0	5.7	6.7	6.0
CCR2	7.3	6.7	5.7	5.7	7.3	8.0	7.0	9.0	9.0	8.0	9.0	6.7	6.3	5.7	6.0
DZ1	7.3	6.3	5.3	5.3	6.0	6.0	6.0	8.3	8.3	7.3	8.7	6.0	6.3	6.3	6.0
F711	7.7	5.3	5.0	5.3	6.3	6.3	6.7	8.7	8.7	7.7	8.7	6.3	6.7	6.3	6.0
FAITH	7.7	6.7	5.7	5.7	7.3	8.0	7.0	8.7	8.7	8.7	9.0	7.7	6.7	6.3	6.0
IS-TF 269 SEL	7.7	6.7	5.7	5.7	7.3	7.7	7.0	9.0	9.0	8.3	9.0	7.0	6.7	6.3	6.0
TURFWAY (IS-TF 282 M2)	8.0	6.7	5.7	5.7	8.0	7.7	7.0	9.0	9.0	8.0	9.0	7.0	7.0	6.0	6.0
IS-TF-287	7.7	6.3	5.3	5.7	7.3	7.3	7.0	8.7	8.7	8.0	8.3	6.7	6.3	6.3	6.0
ROCKWELL (LTP-TWUU)	9.0	6.0	5.0	5.0	7.0	8.0	7.0	9.0	9.0	8.3	8.7	7.0	7.0	7.0	6.0
MARAUDER	7.3	5.3	5.0	5.3	6.0	7.0	7.0	8.3	8.3	8.3	7.3	6.3	6.0	5.7	6.0
MET 6 SEL	7.3	6.0	5.0	5.0	5.3	6.7	7.0	8.7	8.7	8.7	9.0	6.3	6.0	5.3	6.0
MET-3	7.3	6.7	5.7	6.0	7.3	8.3	7.0	9.0	9.0	8.0	9.0	7.0	7.0	6.7	6.0
PPG-TF-135	7.3	6.3	5.3	5.7	6.0	6.7	7.0	8.7	8.7	8.0	9.0	6.0	6.3	5.7	6.0
PPG-TF-138	7.3	6.3	5.3	5.3	6.3	6.3	6.7	8.7	8.7	8.0	8.7	6.3	6.7	6.0	6.0
TITANIUM 2LS (PPG-TF-152)	7.3	6.7	5.7	5.7	7.3	7.7	7.0	8.7	8.7	8.7	8.3	6.7	7.0	6.7	6.0
THOR (PPG-TF-157)	8.3	6.7	5.7	5.7	7.3	7.7	7.3	9.0	9.0	8.7	9.0	7.0	7.0	6.7	6.0
PPG-TF-170	8.0	6.3	5.3	5.3	6.7	6.7	7.0	9.0	9.0	8.7	8.7	6.3	6.7	6.3	6.0
PSG-8BP2	6.7	7.0	6.0	6.0	7.0	8.3	6.3	8.3	8.3	7.7	8.7	7.0	7.0	6.3	6.0
PSG-GSD	7.7	6.0	5.0	5.3	6.7	7.0	7.0	8.0	8.0	8.0	8.3	6.3	6.7	6.0	6.0
PST-5BP0	7.3	6.3	3.7	5.3	6.7	7.7	7.0	9.0	9.0	8.0	8.7	6.7	6.7	6.3	6.0

TABLE 14. (CONT'D) Mean turfgrass quality and other ratings of tall fescue cultivars grown under traffic stress at Knoxville, TN 1/ 2014 data

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS									QUALITY RATINGS			
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 12	PRETRAFFIC	AFTER TRAFFIC	RECOVERY	FROM TRAFFIC
												OCT 17	NOV 10	NOV 24	DEC 8
												10 GAME	20 GAME	2-WEEKS	1-MONTH
PST-5MVD	7.3	6.3	5.3	5.0	6.3	7.3	7.3	9.0	9.0	8.3	8.7	6.7	6.0	5.7	6.0
RAD-TF-83	7.3	6.7	5.7	5.3	7.3	7.3	7.0	8.7	8.7	8.0	8.3	7.0	6.3	6.0	6.0
RAIN DANCE (PST-5SDT)	6.7	7.0	6.0	5.3	7.3	8.0	7.0	8.3	8.3	8.3	8.0	6.7	6.0	5.3	6.0
TECHNIQUE (RZ2)	7.0	6.0	5.3	5.3	6.7	7.3	7.0	9.0	9.0	8.3	8.7	6.0	6.3	5.7	6.0
4TH MILLENNIUM SRP (U43)	8.3	6.3	5.3	5.3	6.7	7.0	6.3	7.3	7.3	7.7	8.7	6.0	6.3	6.3	6.0
B23	8.3	6.7	5.7	5.7	7.7	8.0	7.7	9.0	9.0	8.3	9.0	5.7	6.0	6.0	5.7
BAR FA 120878	5.7	7.0	5.7	6.0	6.7	7.3	6.7	8.0	8.0	8.3	8.0	6.3	6.0	5.7	5.7
BIZEM	7.7	6.3	5.3	5.3	6.3	7.0	7.0	9.0	9.0	8.3	9.0	7.0	6.7	6.3	5.7
JS 809	8.3	6.3	5.3	5.3	7.0	7.0	7.0	9.0	9.0	8.0	8.7	6.0	6.3	6.0	5.7
JS 818	7.3	6.0	5.3	5.3	5.7	6.0	6.7	8.0	8.0	8.0	8.3	6.0	6.0	5.7	5.7
JS 819	7.7	6.3	5.7	5.7	7.0	7.0	6.7	8.3	8.3	8.3	8.7	6.0	6.7	6.3	5.7
JS 825	8.3	6.3	5.7	5.7	6.3	6.7	7.0	8.3	8.3	8.0	8.0	6.0	6.0	5.3	5.7
JS 916	7.0	6.0	5.3	5.3	5.3	6.0	6.7	8.3	8.3	8.0	9.0	5.7	6.0	6.0	5.7
K12-13	7.0	6.3	5.3	5.3	7.0	7.7	7.3	9.0	9.0	8.0	8.7	6.7	6.7	6.7	5.7
MICHELANGELO (LTP-F5DPDR)	7.3	6.3	5.3	5.7	7.0	7.0	7.0	8.3	8.3	8.0	8.7	6.0	6.3	5.7	5.7
PPG-TF-137	7.7	6.7	5.7	5.7	7.0	7.3	7.0	9.0	9.0	8.3	8.3	6.7	6.7	6.3	5.7
PSG-TT4	6.3	6.3	5.3	5.7	6.7	8.3	7.0	8.3	8.3	8.0	8.0	6.3	6.7	5.7	5.7
PST-5BRK	7.3	6.7	5.3	5.3	5.7	6.3	7.0	8.7	8.7	8.3	8.0	5.7	6.3	5.7	5.7
PST-5EV2	8.0	6.3	5.3	5.0	6.3	6.7	7.3	8.7	8.7	8.0	8.7	6.7	6.3	6.0	5.7
MERIDIAN (PST-5GRB)	7.0	6.7	5.7	5.7	6.7	8.0	7.7	9.0	9.0	8.7	8.7	7.0	7.0	6.7	5.7
RAD-TF-88	7.0	6.3	5.3	5.3	7.0	7.7	7.0	9.0	9.0	8.0	8.7	6.0	6.7	6.3	5.7
BLACK TAIL (PPG-TF-150)	7.3	6.7	5.7	5.7	7.0	7.3	7.0	8.7	8.7	8.3	8.7	6.0	6.3	5.7	5.3
PST-5EX2	5.7	6.0	5.0	5.0	6.0	7.0	5.7	8.0	8.0	7.7	8.3	5.3	6.0	5.3	5.3
REGENERATE	7.7	6.3	5.7	5.7	5.7	6.7	7.3	8.7	8.7	8.7	8.7	5.7	5.0	5.3	5.3
KINGDOM (DB1)	8.0	6.0	5.0	5.3	5.7	6.3	7.0	9.0	9.0	8.0	9.0	6.0	5.7	6.0	5.0
KY-31	3.7	6.0	5.0	5.3	6.3	7.3	5.7	7.0	5.0	5.0	5.3	5.0	4.7	4.7	5.0
LSD VALUE	1.4	1.5	.	.	.	.	.	.	.	.	0.8	2.4	2.7	2.6	3.3
C.V. (%)	9.9	8.7	.	.	.	.	.	.	.	.	5.7	12.0	11.6	12.3	12.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue Best - 2014 data report with permission from NTEP

(CONT.)

2014 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LIVING GROUND COVER RATINGS					
	APRIL	PRETRAFFIC SEP 12	AFTER TRAFFIC OCT 17 10 GAME	NOV 10 20 GAME	RECOVERY FROM TRAFFIC NOV 24 2-WEEKS	DEC 8 1-MONTH
ATF 1736	95.3	96.3	86.7	67.0	38.0	54.3
GRANDE 3	94.3	96.7	84.0	60.3	31.0	44.3
HEMI	94.7	96.0	82.0	63.0	36.7	53.0
PPG-TF-115	92.7	97.7	88.3	63.3	36.7	53.0
ARES (PPG-TF-142)	93.0	97.0	82.3	58.3	39.3	51.0
RAD-TF-89	87.0	96.3	77.0	56.3	33.7	49.3
TRAVERSE 2 SRP (W45)	95.3	96.0	78.7	59.3	34.3	48.7
WARHAWK	93.0	95.0	86.0	60.0	33.7	50.7
ATF 1704	93.7	96.3	81.0	58.0	30.0	47.0
BAR FA 121091	85.3	97.0	82.3	56.7	37.0	49.0
CATALYST	88.7	96.0	74.0	49.7	25.0	37.3
FALCON IV	95.0	96.7	85.7	59.0	32.7	47.0
FIREBIRD 2	82.7	96.7	69.7	43.3	25.3	45.3
FRONTLINE (EXP TF-09)	92.3	97.0	74.7	48.0	27.3	48.7
HOT ROD (BURL TF-136)	93.3	96.0	78.7	56.0	31.0	48.0
FOXHOUND (IS-TF 284 M2)	95.3	97.0	81.7	62.3	39.0	52.0
IS-TF 285	85.0	97.3	79.0	53.0	29.3	42.0
FAYETTE (IS-TF 291)	89.7	97.3	77.0	54.0	31.7	45.3
IS-TF 305 SEL	95.0	96.7	79.7	56.3	33.0	47.7
DIABLO (IS-TF 330)	90.3	96.7	83.0	57.3	33.3	47.7
K12-05	89.0	97.0	81.0	52.7	32.7	46.0
FIRECRACKER SLS (PPG-TF-105)	90.3	97.7	82.7	54.7	31.7	51.3
AVENGER II (PPG-TF-156)	95.0	97.0	79.0	57.7	30.7	45.7
PPG-TF-169	93.3	96.0	79.0	57.7	34.3	51.0
PPG-TF-172	92.3	96.3	81.7	56.3	28.7	45.0
FIREWALL (PSG-WE1)	95.3	97.0	82.0	62.0	34.7	51.7
PST-5DZP	95.0	97.0	87.0	61.3	33.0	50.0
SWAGGER (PST-5R05)	93.3	96.7	84.0	52.0	31.7	46.7
MAESTRO (T31)	92.0	96.3	81.3	56.7	29.3	47.3
THUNDERSTRUCK (TD1)	92.0	96.7	80.7	56.3	33.0	49.0
TEMPTATION (OR-21)	93.0	97.0	82.3	57.3	34.3	48.7
RAPTOR III (ZW 44)	95.0	97.0	73.0	50.7	29.3	43.3
204 RES. BLK4	79.3	92.7	70.7	43.7	23.7	40.7
AQUADUCT	91.3	95.7	80.7	53.0	23.7	40.3
ATF 1612	94.3	96.7	79.3	54.0	29.7	45.7
ATF 1754	95.3	96.3	80.3	56.7	33.3	50.7
BAR FA 121089	93.0	96.3	81.3	60.3	36.0	52.0
BAR FA 121095	81.0	96.3	77.7	48.7	26.7	41.3
BULLSEYE	92.7	97.3	77.7	52.0	29.0	39.7
COMP. RES. SST	85.0	94.7	71.7	41.3	23.0	36.3
FALCON V	94.3	96.3	81.7	54.7	30.3	49.0
FESNOVA	91.0	97.3	73.7	44.3	25.0	38.3
GO-DFR	92.7	96.3	80.7	55.0	32.0	45.3
GTO (BURL TF-2)	92.3	96.3	84.0	55.7	29.0	44.7
INSPIRATION (PST-R5NW)	91.0	96.7	82.3	53.3	27.3	44.0

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue Best - 2014 data report with permission from NTEP STRESS AT KNOXVILLE, TN 1/
 (CONT'D) CROWN UNDER TRAFFIC

2014 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LIVING GROUND COVER RATINGS					
	APRIL	PRETRAFFIC	AFTER TRAFFIC		RECOVERY FROM TRAFFIC	
		SEP 12	OCT 17 10 GAME	NOV 10 20 GAME	NOV 24 2-WEEKS	DEC 8 1-MONTH
IS-TF 272	92.0	97.0	82.0	53.3	27.7	44.3
IS-TF 276 M2	90.3	96.7	80.3	57.7	33.0	45.3
IS-TF 289	91.3	97.3	86.3	59.3	34.7	47.7
IS-TF 307 SEL	93.0	96.3	78.7	49.3	25.3	36.0
IS-TF 308 SEL	94.7	96.7	81.3	48.7	24.7	42.3
IS-TF 310 SEL	90.7	96.3	79.0	49.7	30.3	43.7
IS-TF 311	94.3	97.0	83.3	54.0	27.0	44.3
K12-MCD	89.0	96.3	70.7	50.3	28.3	38.7
LEONARDO (LTP-FSD)	89.3	96.7	76.7	51.3	26.3	48.7
MET 1	87.0	96.0	77.7	49.7	30.3	42.0
PICK-W43	91.3	97.0	76.0	55.7	30.7	45.0
XTENDER (PPG-TF-139)	84.7	96.3	79.3	53.7	32.0	44.3
DYNAMITE LS (PPG-TF-145)	90.0	97.0	81.0	52.7	29.7	44.0
SCREAMER LS (PPG-TF-148)	92.7	96.3	79.7	56.0	30.0	45.7
PPG-TF-151	93.7	96.3	81.3	58.7	33.7	46.7
PSG-PO1	94.0	96.7	78.3	54.3	31.3	45.3
RAD-TF-92	94.0	97.0	77.7	50.7	28.0	43.7
RHAMBLER 2 SRP (LSD)	92.3	96.7	75.3	47.3	26.7	42.0
SALTILLO (PST-5SALT)	87.7	96.7	86.7	55.7	28.0	46.0
ROWDY (SRX-TPC)	91.7	96.7	85.7	57.7	28.3	41.7
TERRANO	90.3	95.7	78.3	47.3	27.3	40.7
REFLECTION (U45)	92.7	96.3	82.0	60.3	31.0	48.3
W41	85.0	96.7	75.7	54.0	31.3	42.3
ANNIHILATOR	81.7	93.0	68.0	42.3	22.3	38.3
HOVER (BURL TF-69)	93.0	97.0	77.7	49.7	30.0	39.7
CAESAR (TY 10)	85.7	97.3	66.3	35.0	24.0	37.3
CCR2	91.0	96.7	80.7	48.3	25.3	42.0
DZ1	76.7	96.3	69.3	40.7	25.3	37.7
F711	84.0	96.7	77.3	46.7	24.7	36.7
FAITH	93.3	97.0	84.3	53.0	29.3	45.3
IS-TF 269 SEL	92.3	97.0	79.0	45.7	25.0	39.3
TURFWAY (IS-TF 282 M2)	93.0	96.7	78.7	49.7	29.3	46.7
IS-TF-287	91.7	95.3	79.0	52.3	30.0	42.3
ROCKWELL (LTP-TWUU)	92.0	95.7	81.0	52.3	30.3	45.0
MARAUDER	87.3	93.3	72.3	43.3	25.0	38.7
MET 6 SEL	84.3	96.3	76.0	39.7	23.7	38.3
MET-3	93.3	96.3	84.0	57.3	34.7	42.3
PPG-TF-135	85.0	96.7	72.7	42.0	23.3	42.3
PPG-TF-138	80.3	97.3	77.3	46.3	24.3	40.7
TITANIUM 2LS (PPG-TF-152)	92.3	97.0	79.3	59.0	32.7	43.7
THOR (PPG-TF-157)	90.7	97.0	79.7	51.0	29.7	44.3
PPG-TF-170	86.0	96.7	79.7	53.0	32.7	45.7
PSG-8BP2	94.7	96.0	78.0	53.3	30.0	39.0
PSG-GSD	87.0	96.3	75.7	45.7	25.3	38.3
PST-5BPO	91.0	96.3	83.0	56.3	30.7	46.3

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue Best - 2014 data report with permission from NTEP STRESS AT KNOXVILLE, TN 1/
 (CONT'D) GROWN UNDER TRAFFIC

2014 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LIVING GROUND COVER RATINGS					
	APRIL	PRETRAFFIC SEP 12	AFTER TRAFFIC		RECOVERY FROM TRAFFIC	
			OCT 17 10 GAME	NOV 10 20 GAME	NOV 24 2-WEEKS	DEC 8 1-MONTH
PST-5MVD	88.3	96.3	78.3	43.0	22.0	36.3
RAD-TF-83	91.3	95.7	78.7	48.7	26.0	40.0
RAIN DANCE (PST-5SDT)	93.3	96.7	83.0	42.3	22.0	35.3
TECHNIQUE (RZ2)	90.0	96.0	65.0	45.7	26.7	37.3
4TH MILLENNIUM SRP (U43)	80.0	97.0	65.3	40.7	23.3	35.7
B23	93.0	96.7	66.3	43.3	27.3	38.0
BAR FA 120878	91.3	96.3	79.7	46.7	25.7	39.0
BIZEM	90.0	96.7	82.0	56.3	29.3	42.7
JS 809	86.7	97.0	69.3	40.0	24.0	32.7
JS 818	76.7	96.3	69.0	35.0	20.0	30.0
JS 819	86.3	96.7	70.3	47.3	24.7	36.0
JS 825	84.0	95.0	67.3	36.0	22.7	33.0
JS 916	76.0	96.3	65.7	36.0	20.7	33.7
K12-13	91.3	96.7	82.3	51.3	32.3	42.7
MICHELANGELO (LTP-F5DPDR)	89.0	97.3	73.0	39.0	20.3	35.3
PPG-TF-137	89.0	96.3	80.7	49.7	27.3	34.3
PSG-TT4	93.3	96.3	82.3	56.0	29.7	44.0
PST-5BRK	81.3	97.0	72.7	40.7	20.7	37.7
PST-5EV2	85.7	96.7	82.0	47.7	24.7	37.7
MERIDIAN (PST-5GRB)	90.3	96.0	85.3	58.0	31.0	41.7
RAD-TF-88	91.0	97.0	69.7	44.7	25.0	35.3
BLACK TAIL (PPG-TF-150)	90.7	96.3	73.3	46.0	23.7	32.3
PST-5EX2	84.3	97.0	67.0	35.0	16.3	30.0
REGENERATE	88.3	96.7	57.3	23.0	13.0	23.7
KINGDOM (DB1)	80.7	96.0	69.7	35.0	19.3	26.3
KY-31	88.3	90.7	65.3	25.7	16.0	27.0
LSD VALUE	16.9	2.4	37.7	49.3	38.7	33.1
C.V. (%)	7.2	1.2	12.4	25.4	29.8	22.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 14. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
 2014 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	TDR MOISTURE PROBE RATINGS AFTER TRAFFIC					CLEGG (GMAX) RATINGS AFTER TRAFFIC				
	PRETRAFFIC SEP 12	5 GAME SEP 25	10 GAME OCT 10	15 GAME OCT 30	20 GAME NOV 10	PRETRAFFIC SEP 12	5 GAME SEP 25	10 GAME OCT 10	15 GAME OCT 30	20 GAME NOV 10
ATF 1736	33.3	36.3	34.3	35.3	29.7	46.3	68.0	32.7	49.0	40.0
GRANDE 3	34.7	37.3	36.0	34.3	31.7	52.3	69.3	29.3	53.0	46.3
HEMI	35.0	39.0	33.7	33.3	29.7	43.3	71.7	31.7	48.3	50.0
PPG-TF-115	33.3	36.7	35.0	35.0	31.0	44.0	60.3	27.3	40.3	50.7
ARES (PPG-TF-142)	33.7	36.0	32.7	34.3	30.3	53.3	70.3	35.0	47.0	56.0
RAD-TF-89	32.7	36.7	34.3	34.7	30.0	47.3	65.3	32.3	53.0	53.3
TRAVERSE 2 SRP (W45)	33.7	37.0	36.7	35.3	30.3	43.3	73.0	31.3	44.7	49.0
WARHAWK	31.7	37.7	32.0	32.7	29.0	47.7	73.7	38.3	47.0	55.7
ATF 1704	35.7	37.0	35.0	35.7	33.7	46.0	64.7	27.0	40.3	37.7
BAR FA 121091	35.0	36.7	36.0	35.3	31.7	45.3	69.3	31.3	43.0	45.7
CATALYST	32.3	33.7	35.0	33.3	30.7	56.0	74.3	31.7	45.7	40.7
FALCON IV	36.0	38.7	35.7	37.0	33.3	45.7	64.3	31.3	46.3	43.3
FIREBIRD 2	36.0	37.7	34.3	32.7	29.3	53.0	63.7	34.3	49.3	57.3
FRONTLINE (EXP TF-09)	32.3	35.3	34.0	34.0	30.7	47.3	69.3	28.3	45.0	54.7
HOT ROD (BURL TF-136)	35.3	36.3	35.0	37.0	33.7	42.7	69.7	24.7	44.3	49.3
FOXHOUND (IS-TF 284 M2)	31.3	35.0	35.7	34.7	31.0	52.3	77.3	27.7	48.7	42.0
IS-TF 285	34.3	36.7	34.0	32.7	32.3	46.0	70.3	28.3	43.3	48.3
FAYETTE (IS-TF 291)	31.3	39.0	34.7	32.7	30.3	48.0	73.3	34.7	49.0	47.0
IS-TF 305 SEL	33.0	35.3	35.0	35.3	32.3	50.7	73.0	34.0	45.7	41.7
DIABLO (IS-TF 330)	35.3	38.0	35.7	37.7	34.3	50.0	65.3	32.3	44.3	39.7
K12-05	35.0	35.7	35.0	34.0	31.7	57.7	74.7	34.7	43.7	63.0
FIRECRACKER SLS (PPG-TF-105)	35.3	36.7	34.3	33.7	32.3	48.7	75.7	38.3	44.3	64.7
AVENGER II (PPG-TF-156)	34.3	39.0	36.0	35.3	32.3	52.0	67.7	31.7	43.7	51.7
PPG-TF-169	36.7	40.7	34.0	35.7	33.0	46.3	64.0	28.3	42.7	48.3
PPG-TF-172	35.7	36.0	33.0	36.7	31.3	46.0	79.0	39.7	43.7	53.3
FIREWALL (PSG-WE1)	36.3	38.0	34.7	36.3	32.0	41.7	58.7	28.3	44.7	41.3
PST-5DZP	36.3	36.0	33.7	35.0	31.7	44.0	73.0	32.3	48.7	40.3
SWAGGER (PST-5R05)	34.0	39.0	36.3	34.0	30.7	51.0	72.7	28.3	46.0	60.7
MAESTRO (T31)	37.0	37.7	33.7	36.3	31.7	51.0	66.7	30.7	48.7	54.0
THUNDERSTRUCK (TD1)	35.3	38.0	33.3	35.0	32.7	44.0	67.3	30.3	47.7	45.3
TEMPTATION (OR-21)	31.7	34.7	35.0	35.3	31.7	49.7	77.3	37.0	54.0	49.0
RAPTOR III (ZW 44)	34.3	38.7	35.0	36.0	31.7	50.7	70.0	34.7	43.3	61.0
204 RES. BLK4	29.7	33.0	33.3	32.7	30.7	60.7	85.0	42.3	52.3	60.7
AQUADUCT	32.0	36.0	34.7	33.7	33.7	55.3	80.7	38.0	44.3	38.0
ATF 1612	35.0	36.3	35.7	35.0	30.7	53.3	70.3	36.0	43.7	56.0
ATF 1754	35.3	36.7	34.7	34.0	30.0	51.0	77.7	30.0	45.0	43.3
BAR FA 121089	35.0	37.0	35.3	33.0	30.0	44.0	72.0	32.0	45.0	51.3
BAR FA 121095	36.3	35.7	36.0	36.3	33.0	40.0	67.3	33.3	41.3	52.3
BULLSEYE	35.7	37.3	36.7	34.3	32.0	44.3	70.0	34.0	44.0	54.3
COMP. RES. SST	32.7	35.7	34.0	33.7	31.7	49.0	71.0	37.0	46.3	42.0
FALCON V	35.0	40.0	36.0	36.7	32.0	45.3	65.3	32.0	49.0	55.3
FESNOVA	33.3	35.7	34.0	35.7	32.0	48.7	65.3	29.7	54.3	56.3
GO-DFR	32.7	34.0	33.7	36.3	30.3	45.3	74.3	35.0	49.3	46.3
GTO (BURL TF-2)	34.3	36.7	35.0	36.0	31.7	47.3	68.3	28.0	48.0	49.7
INSPIRATION (PST-R5NW)	37.3	40.0	36.0	39.7	33.0	41.7	64.0	31.0	42.3	41.0

TABLE 14. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 CROWN UNDER TRAFFIC STRESS AT KNOXVILLE, TN 1/
 2014 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	TDR MOISTURE PROBE RATINGS AFTER TRAFFIC					CLEGG (GMAX) RATINGS AFTER TRAFFIC				
	PRETRAFFIC SEP 12	5 GAME SEP 25	10 GAME OCT 10	15 GAME OCT 30	20 GAME NOV 10	PRETRAFFIC SEP 12	5 GAME SEP 25	10 GAME OCT 10	15 GAME OCT 30	20 GAME NOV 10
IS-TF 272	34.3	34.3	33.7	35.0	28.7	50.7	67.7	32.7	48.7	58.3
IS-TF 276 M2	33.3	33.7	34.7	35.7	32.3	55.3	73.3	34.7	46.0	40.3
IS-TF 289	34.7	35.0	33.0	32.3	30.7	47.3	66.3	32.0	47.0	56.7
IS-TF 307 SEL	35.0	35.0	36.0	35.3	31.7	48.0	64.7	27.0	41.7	49.3
IS-TF 308 SEL	35.0	37.3	34.7	35.7	31.7	48.0	71.7	31.7	43.3	53.7
IS-TF 310 SEL	38.3	37.3	37.0	36.3	33.3	43.7	64.7	31.0	48.0	59.0
IS-TF 311	35.3	36.0	34.7	34.7	32.7	45.0	69.3	29.0	41.3	41.0
K12-MCD	36.0	36.3	36.3	33.7	34.0	44.3	68.0	29.0	45.7	44.7
LEONARDO (LTP-FSD)	32.7	36.7	35.0	34.7	30.3	55.3	82.3	38.0	52.3	48.0
MET 1	36.0	36.7	36.3	36.3	32.7	49.3	74.0	33.0	48.7	58.7
PICK-W43	35.0	36.0	34.7	36.0	33.3	42.3	63.0	28.3	50.7	47.0
XTENDER (PPG-TF-139)	36.0	38.3	35.7	34.3	31.0	51.3	74.7	29.0	45.0	58.7
DYNAMITE LS (PPG-TF-145)	35.3	36.0	35.0	36.0	31.7	48.3	71.0	30.3	47.3	42.7
SCREAMER LS (PPG-TF-148)	35.0	37.3	36.0	34.7	31.7	47.3	75.3	35.0	49.3	59.7
PPG-TF-151	34.0	38.0	34.7	32.7	30.0	48.7	67.3	29.0	47.0	45.7
PSG-PO1	33.0	35.3	34.0	33.7	31.7	45.0	68.0	25.7	53.0	59.0
RAD-TF-92	34.3	36.3	31.3	34.7	29.0	50.7	74.0	34.3	43.0	53.7
RHAMBLER 2 SRP (LSD)	32.3	38.3	36.0	32.7	30.7	54.0	73.3	35.3	45.0	50.0
SALTILLO (PST-5SALT)	34.7	35.3	34.7	36.3	32.3	46.3	65.3	31.7	48.3	44.0
ROWDY (SRX-TPC)	36.7	38.0	36.0	36.3	32.7	43.3	61.7	29.3	45.7	46.7
TERRANO	34.0	32.7	34.0	33.7	29.3	49.7	79.7	31.0	47.7	57.0
REFLECTION (U45)	34.3	34.0	35.7	37.3	31.3	46.0	64.0	28.0	44.3	45.0
W41	35.0	37.0	34.7	34.7	33.3	47.0	71.3	30.0	42.0	43.7
ANNIHILATOR	32.3	33.3	34.0	34.0	31.3	49.7	80.0	37.0	48.0	57.3
HOVER (BURL TF-69)	36.7	37.3	36.3	35.0	31.3	42.7	70.0	29.3	42.3	52.7
CAESAR (TY 10)	33.3	37.0	32.3	33.3	29.3	58.7	69.3	32.7	47.7	56.7
CCR2	36.3	37.7	36.0	34.3	31.3	47.0	70.0	28.3	43.0	54.3
DZ1	34.0	37.0	33.0	33.3	29.3	59.7	74.7	39.3	52.0	62.7
F711	35.0	35.3	35.7	37.0	33.0	58.3	77.3	38.0	51.3	51.3
FAITH	36.0	38.7	36.0	35.3	31.3	53.0	66.3	27.0	45.7	52.3
IS-TF 269 SEL	33.0	34.7	33.0	34.7	31.7	48.3	80.7	30.3	50.0	43.7
TURFWAY (IS-TF 282 M2)	32.0	34.7	32.7	34.7	31.7	49.0	78.7	39.3	52.3	54.7
IS-TF-287	35.0	34.7	35.0	34.0	30.7	45.3	71.3	31.7	47.7	43.0
ROCKWELL (LTP-TWUU)	34.7	37.0	35.0	36.3	30.0	45.0	65.3	30.3	51.0	47.0
MARAUDER	32.3	33.7	34.7	32.3	31.0	56.0	73.3	33.7	54.0	49.3
MET 6 SEL	35.3	37.0	35.7	34.0	31.3	49.3	62.3	29.0	49.3	59.3
MET-3	37.0	39.3	36.7	38.0	35.3	51.3	79.0	33.3	43.3	47.0
PPG-TF-135	33.0	35.7	36.0	37.0	32.3	50.0	68.3	37.0	48.3	46.3
PPG-TF-138	36.7	36.7	34.3	35.0	27.7	45.3	71.0	37.0	47.3	54.3
TITANIUM 2LS (PPG-TF-152)	34.7	38.0	34.7	35.0	32.3	54.0	72.0	31.7	47.3	64.7
THOR (PPG-TF-157)	35.3	39.7	36.0	33.7	31.3	48.0	71.0	25.0	47.3	53.3
PPG-TF-170	35.3	37.0	35.3	35.0	32.0	44.3	63.0	29.3	46.0	43.3
PSG-8BP2	32.7	36.7	33.3	33.7	30.7	52.0	65.3	31.3	46.3	39.7
PSG-GSD	33.0	38.3	35.0	34.7	31.3	53.0	72.0	35.7	50.3	56.3
PST-5BP0	35.7	33.0	34.7	36.3	33.7	43.7	68.3	28.0	50.3	50.7

TABLE 14. (CONT'D) Mean turfgrass quality and other ratings of tall fescue cultivars grown under traffic stress at Knoxville, TN 1/ 2014 data

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	TDR MOISTURE PROBE RATINGS AFTER TRAFFIC					CLEGG (GMAX) RATINGS AFTER TRAFFIC				
	PRETRAFFIC SEP 12	5 GAME SEP 25	10 GAME OCT 10	15 GAME OCT 30	20 GAME NOV 10	PRETRAFFIC SEP 12	5 GAME SEP 25	10 GAME OCT 10	15 GAME OCT 30	20 GAME NOV 10
PST-5MVD	35.0	34.3	38.3	36.7	33.0	39.7	64.3	30.7	49.0	60.7
RAD-TF-83	35.0	36.3	35.0	36.0	32.3	44.0	60.3	27.7	47.3	52.0
RAIN DANCE (PST-5SDT)	35.7	38.0	37.0	33.3	31.0	42.7	66.3	24.3	43.0	57.0
TECHNIQUE (RZ2)	35.0	34.3	35.0	37.3	33.7	51.3	73.3	32.7	44.0	40.0
4TH MILLENNIUM SRP (U43)	34.3	38.0	36.3	33.3	28.7	59.0	77.0	36.0	48.3	55.0
B23	35.7	39.3	35.3	33.3	30.0	46.7	73.0	34.3	46.0	65.0
BAR FA 120878	34.7	36.0	35.7	34.0	31.7	43.0	64.0	31.3	50.3	47.7
BIZEM	34.3	36.7	36.7	37.0	33.0	51.0	64.0	27.0	51.3	53.7
JS 809	33.3	37.0	35.3	36.7	31.7	51.3	68.0	25.3	46.0	61.7
JS 818	33.7	36.3	34.3	34.7	32.0	56.7	70.3	33.0	51.0	51.0
JS 819	32.0	32.7	33.3	34.0	28.3	55.0	72.3	38.7	50.0	59.7
JS 825	32.7	35.7	33.7	34.7	31.3	43.3	74.0	29.3	48.7	58.7
JS 916	33.0	33.7	34.3	33.7	30.0	53.3	72.7	30.0	54.3	54.7
K12-13	35.3	35.7	36.0	38.0	33.0	44.0	64.0	29.7	46.3	46.7
MICHELANGELO (LTP-F5DPDR)	33.3	38.0	37.7	32.3	31.0	55.0	62.3	33.7	46.7	64.0
PPG-TF-137	34.7	35.7	35.3	36.3	33.0	50.7	72.7	33.7	45.0	48.7
PSG-TT4	34.7	35.3	35.0	34.3	32.0	47.7	64.3	30.0	45.3	55.0
PST-5BRK	32.7	35.7	35.0	34.0	30.7	45.0	74.0	35.7	46.3	50.0
PST-5EV2	33.7	37.3	36.7	36.0	32.3	43.0	70.0	29.7	42.3	52.3
MERIDIAN (PST-5GRB)	34.0	37.0	36.0	37.3	33.7	44.0	67.0	33.0	40.0	45.7
RAD-TF-88	35.7	37.7	36.3	35.3	29.0	49.3	70.0	30.0	42.7	51.7
BLACK TAIL (PPG-TF-150)	37.3	35.7	37.3	36.0	32.3	45.3	72.3	27.0	44.3	43.3
PST-5EX2	35.7	37.7	34.7	31.0	30.7	58.3	69.7	40.3	54.7	51.7
REGENERATE	33.7	35.0	36.3	35.0	31.7	46.7	66.3	29.0	52.7	45.7
KINGDOM (DB1)	34.7	37.3	37.3	37.0	31.7	46.7	66.0	34.0	43.3	55.7
KY-31	33.0	33.7	34.3	33.0	30.0	52.7	64.7	38.3	49.7	44.0
LSD VALUE	7.8	9.5	6.8	9.2	7.7	39.6	29.5	25.5	24.3	57.0
C.V. (%)	6.9	7.3	5.6	7.0	7.0	17.0	11.8	19.7	12.4	23.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 15. Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP.
 MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
 2014 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	BEFORE TRAFFIC IN SEPTWMBER		TRAFFIC IN OCTOBER		TRAFFIC IN EARLY NOVEMBER		TRAFFIC IN MIDDLE NOVEMBER		MAY	JUN	JUL	QUALITY RATINGS					MEAN
	% GREEN	% STRAW	% GREEN	% BARE	% GREEN	% BARE	% GREEN	% BARE				AUG	SEP	OCT	NOV	DEC	
MET 1	99	0	73.3	26.7	73.3	26.7	65.0	35.0	4.7	7.7	8.0	8.7	7.7	6.3	6.7	7.0	7.1
IS-TF 307 SEL	99	0	50.0	50.0	50.0	50.0	43.3	56.7	6.7	7.3	8.0	8.3	8.7	5.0	5.7	6.7	7.0
FAYETTE (IS-TF 291)	99	0	70.0	30.0	70.0	30.0	65.0	35.0	6.3	7.0	7.3	7.0	6.7	6.0	7.3	7.7	6.9
FIREWALL (PSG-WE1)	99	0	66.7	33.3	66.7	33.3	58.3	41.7	5.3	6.7	7.3	6.7	8.0	6.3	7.3	7.7	6.9
RAPTOR III (ZW 44)	99	0	88.3	11.7	88.3	11.7	80.0	20.0	5.3	5.7	7.3	8.3	8.0	5.7	7.3	7.3	6.9
HOVER (BURL TF-69)	99	0	73.3	26.7	73.3	26.7	63.3	36.7	5.3	6.7	6.7	8.3	7.3	5.3	7.3	7.3	6.8
CATALYST	99	0	65.0	35.0	65.0	35.0	66.7	33.3	4.7	6.3	7.3	7.3	7.7	6.7	7.3	7.3	6.8
CCR2	99	0	70.0	30.0	70.0	30.0	61.7	38.3	6.0	8.0	8.0	7.7	7.7	4.3	5.3	7.0	6.8
FAITH	99	0	63.3	36.7	63.3	36.7	58.3	41.7	4.3	6.7	8.3	7.7	7.7	5.0	7.0	7.7	6.8
MET 6 SEL	99	0	71.7	28.3	71.7	28.3	71.7	28.3	6.3	6.7	7.3	7.3	7.3	5.3	6.3	7.7	6.8
PSG-PO1	99	0	70.0	30.0	70.0	30.0	60.0	40.0	4.7	6.3	7.0	7.7	8.3	6.7	7.3	6.7	6.8
SWAGGER (PST-5R05)	99	0	73.3	26.7	73.3	26.7	60.0	40.0	7.3	7.7	6.0	6.0	7.3	5.0	7.3	7.3	6.8
ROWDY (SRX-TPC)	99	0	71.7	28.3	71.7	28.3	66.7	33.3	6.3	6.7	6.7	6.7	7.3	6.3	7.0	7.3	6.8
4TH MILLENNIUM SRP (U43)	99	0	76.7	23.3	76.7	23.3	68.3	31.7	5.3	6.7	7.0	6.7	7.7	7.0	7.0	7.3	6.8
BLACK TAIL (PPG-TF-150)	99	0	75.0	25.0	75.0	25.0	70.0	30.0	6.3	6.7	7.0	7.3	7.0	5.0	6.7	7.3	6.7
RHAMBLER 2 SRP (LSD)	99	0	80.0	20.0	80.0	20.0	71.7	28.3	4.7	5.7	8.0	7.3	7.0	6.0	6.7	8.0	6.7
MET-3	99	0	75.0	25.0	75.0	25.0	75.0	25.0	5.0	6.3	6.7	6.3	8.0	6.3	7.3	7.0	6.6
PPG-TF-172	99	0	66.7	33.3	66.7	33.3	63.3	36.7	5.7	6.7	8.3	7.7	7.7	4.3	5.7	6.7	6.6
W41	99	0	63.3	36.7	63.3	36.7	50.0	50.0	6.3	7.0	6.7	7.3	7.3	5.0	6.3	7.0	6.6
TRAVERSE 2 SRP (W45)	99	0	65.0	35.0	65.0	35.0	55.0	45.0	5.3	7.0	6.0	7.0	7.7	6.0	6.7	7.3	6.6
ATF 1612	99	0	70.0	30.0	70.0	30.0	60.0	40.0	4.3	6.3	8.0	7.0	7.0	4.7	7.0	7.7	6.5
FESNOVA	99	0	60.0	40.0	60.0	40.0	55.0	45.0	6.0	6.0	6.0	7.7	7.3	5.3	6.3	7.0	6.5
XTENDER (PPG-TF-139)	99	0	68.3	31.7	68.3	31.7	63.3	36.7	5.3	5.0	6.0	6.7	7.3	6.3	7.7	7.3	6.5
SCREAMER LS (PPG-TF-148)	99	0	66.7	33.3	66.7	33.3	56.7	43.3	5.7	5.7	7.3	7.0	7.3	5.7	6.3	7.0	6.5
TITANIUM 2LS (PPG-TF-152)	99	0	53.3	46.7	53.3	46.7	48.3	51.7	5.3	6.3	6.7	7.0	8.0	5.3	6.7	7.0	6.5
PST-5EV2	99	0	68.3	31.7	68.3	31.7	68.3	31.7	6.0	7.7	7.3	7.3	6.7	4.7	5.0	7.0	6.5
TERRANO	99	0	68.3	31.7	68.3	31.7	63.3	36.7	5.3	6.0	7.3	6.3	6.3	6.0	7.0	7.7	6.5
B23	99	0	85.0	15.0	85.0	15.0	76.7	23.3	5.3	7.3	7.0	6.3	6.7	5.3	6.0	7.3	6.4
FALCON V	99	0	65.0	35.0	65.0	35.0	61.7	38.3	6.0	6.0	7.0	6.7	8.0	4.3	5.7	7.3	6.4
IS-TF 305 SEL	99	0	73.3	26.7	73.3	26.7	68.3	31.7	5.3	6.0	6.7	6.0	7.7	5.0	6.3	8.0	6.4
K12-MCD	99	0	75.0	25.0	75.0	25.0	70.0	30.0	5.7	7.3	5.7	6.0	7.7	5.0	6.7	7.0	6.4
PPG-TF-170	99	0	61.7	38.3	61.7	38.3	51.7	48.3	6.7	7.3	6.7	7.0	6.7	5.0	6.0	6.0	6.4
RAD-TF-89	99	0	65.0	35.0	65.0	35.0	55.0	45.0	6.0	6.7	6.7	6.3	7.0	4.7	5.7	8.0	6.4
TECHNIQUE (RZ2)	99	0	73.3	26.7	73.3	26.7	65.0	35.0	6.3	7.0	6.7	6.0	6.7	5.0	6.3	7.0	6.4
F711	99	0	60.0	40.0	60.0	40.0	55.0	45.0	6.0	6.3	7.7	6.7	7.0	4.3	5.7	6.7	6.3
FIREBIRD 2	99	0	63.3	36.7	63.3	36.7	60.0	40.0	5.7	6.0	6.7	6.7	7.0	5.7	6.3	6.7	6.3
GTO (BURL TF-2)	99	0	73.3	26.7	73.3	26.7	58.3	41.7	5.0	6.7	7.0	5.7	7.0	5.7	6.3	7.0	6.3
HEMI	99	0	56.7	43.3	56.7	43.3	53.3	46.7	4.3	5.0	7.7	6.7	7.3	5.7	7.7	6.3	6.3
TURFWAY (IS-TF 282 M2)	99	0	68.3	31.7	68.3	31.7	68.3	31.7	4.7	6.0	6.3	6.7	7.0	5.7	6.7	7.0	6.3
IS-TF-287	99	0	73.3	26.7	73.3	26.7	63.3	36.7	5.7	6.3	5.7	7.0	7.3	5.3	6.7	6.3	6.3
LEONARDO (LTP-FSD)	99	0	73.3	26.7	73.3	26.7	60.0	40.0	5.3	7.7	7.7	6.7	6.7	5.0	4.7	6.3	6.3
PICK-W43	99	0	66.7	33.3	66.7	33.3	61.7	38.3	5.0	7.0	6.3	8.3	7.0	4.7	5.3	6.3	6.3
AVENGER II (PPG-TF-156)	99	0	76.7	23.3	76.7	23.3	61.7	38.3	5.7	7.3	7.7	7.0	6.7	4.7	5.3	6.0	6.3
THOR (PPG-TF-157)	99	0	71.7	28.3	71.7	28.3	61.7	38.3	5.0	6.3	7.7	6.7	6.7	4.7	6.3	6.7	6.3
PPG-TF-169	99	0	76.7	23.3	76.7	23.3	66.7	33.3	6.0	6.7	5.7	7.0	7.7	5.0	6.0	6.7	6.3

TABLE 15. (CONT'D) Mean Turfgrass Quality and Other Ratings of Tall Fescue Cultivars Grown Under Traffic Stress at Blacksburg, VA 1/ 2014 Data

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/																
	BEFORE TRAFFIC		TRAFFIC		TRAFFIC		TRAFFIC		MAY	JUN	JUL	QUALITY RATINGS					MEAN
	IN SEPTMBER		IN OCTOBER		IN EARLY NOVEMBER		IN MIDDLE NOVEMBER					AUG	SEP	OCT	NOV	DEC	
% GREEN	% STRAW	% GREEN	% BARE	% GREEN	% BARE	% GREEN	% BARE	% GREEN	% BARE								
PST-5DZP	99	0	61.7	38.3	61.7	38.3	53.3	46.7	4.7	6.0	7.0	6.3	6.3	5.7	6.7	7.3	6.3
REGENERATE	99	0	63.3	36.7	63.3	36.7	60.0	40.0	5.0	6.7	7.3	7.0	6.7	5.0	6.0	6.7	6.3
REFLECTION (U45)	99	0	65.0	35.0	65.0	35.0	56.7	43.3	4.0	7.0	7.0	5.7	7.3	6.0	6.0	7.0	6.3
ATF 1754	99	0	73.3	26.7	73.3	26.7	63.3	36.7	6.3	6.7	6.7	6.0	7.3	4.3	5.7	6.7	6.2
JS 916	99	0	68.3	31.7	68.3	31.7	58.3	41.7	5.0	7.0	6.0	6.7	7.3	5.0	6.0	6.7	6.2
PPG-TF-137	99	0	70.0	30.0	70.0	30.0	70.0	30.0	5.0	6.3	7.7	5.7	7.0	5.0	6.3	6.7	6.2
PPG-TF-138	99	0	76.7	23.3	76.7	23.3	63.3	36.7	5.3	6.0	5.7	6.3	7.0	5.0	6.3	7.7	6.2
PPG-TF-151	99	0	81.7	18.3	81.7	18.3	81.7	18.3	6.0	6.7	7.0	7.3	7.3	4.3	5.0	5.7	6.2
MAESTRO (T31)	99	0	63.3	36.7	63.3	36.7	58.3	41.7	5.0	5.7	5.3	6.0	6.3	6.7	7.7	7.0	6.2
ATF 1704	99	0	66.7	33.3	66.7	33.3	53.3	46.7	4.3	6.3	7.3	6.3	7.0	5.0	5.7	7.0	6.1
CAESAR (TY 10)	99	0	58.3	41.7	58.3	41.7	48.3	51.7	6.0	5.3	5.7	7.3	6.0	5.3	5.7	7.3	6.1
HOT ROD (BURL TF-136)	99	0	56.7	43.3	56.7	43.3	51.7	48.3	5.0	5.7	8.0	6.7	6.7	5.0	5.0	6.7	6.1
IS-TF 308 SEL	99	0	76.7	23.3	76.7	23.3	71.7	28.3	5.7	6.3	6.0	6.3	8.0	4.7	5.0	6.7	6.1
ROCKWELL (LTP-TWUU)	99	0	75.0	25.0	75.0	25.0	66.7	33.3	4.3	6.7	6.7	5.7	6.7	5.0	6.7	7.3	6.1
PST-5BPO	99	0	63.3	36.7	63.3	36.7	53.3	46.7	6.3	6.7	5.3	6.3	6.7	5.0	6.0	6.3	6.1
PST-5BRK	99	0	68.3	31.7	68.3	31.7	53.3	46.7	4.7	6.0	7.7	6.7	7.3	4.3	6.0	6.0	6.1
PST-5EX2	99	0	71.7	28.3	71.7	28.3	56.7	43.3	6.0	6.7	5.7	4.3	6.7	5.0	7.3	7.3	6.1
RAD-TF-88	99	0	65.0	35.0	65.0	35.0	61.7	38.3	4.7	6.3	6.7	5.3	6.3	5.7	6.3	7.3	6.1
SALTILLO (PST-5SALT)	99	0	65.0	35.0	65.0	35.0	60.0	40.0	5.0	6.0	5.7	7.3	7.0	5.0	6.0	6.7	6.1
ATF 1736	99	0	68.3	31.7	68.3	31.7	55.0	45.0	6.7	7.3	7.0	5.3	6.3	4.7	4.7	5.7	6.0
BULLSEYE	99	0	65.0	35.0	65.0	35.0	60.0	40.0	5.3	5.3	6.7	5.7	6.3	5.0	7.0	6.7	6.0
COMP. RES. SST	99	0	73.3	26.7	73.3	26.7	73.3	26.7	4.3	5.0	5.3	6.7	6.3	5.7	6.7	7.7	6.0
DZ1	99	0	81.7	18.3	81.7	18.3	73.3	26.7	4.7	5.7	7.0	7.0	6.7	5.0	5.0	6.7	6.0
INSPIRATION (PST-R5NW)	99	0	65.0	35.0	65.0	35.0	50.0	50.0	5.0	6.0	5.0	6.7	7.0	5.0	6.0	7.0	6.0
IS-TF 276 M2	99	0	86.7	13.3	86.7	13.3	76.7	23.3	5.0	5.7	5.7	6.3	7.3	4.7	6.0	7.7	6.0
FIRECRACKER SLS (PPG-TF-105)	99	0	76.7	23.3	76.7	23.3	66.7	33.3	5.3	6.7	7.0	7.3	6.0	4.0	5.3	6.0	6.0
DYNAMITE LS (PPG-TF-145)	99	0	76.7	23.3	76.7	23.3	76.7	23.3	4.0	5.3	5.3	6.0	7.0	6.3	7.0	7.0	6.0
MERIDIAN (PST-5GRB)	99	0	60.0	40.0	60.0	40.0	50.0	50.0	5.7	6.0	5.3	5.7	7.7	5.3	6.3	6.0	6.0
PST-5MVD	99	0	80.0	20.0	80.0	20.0	75.0	25.0	6.7	6.3	6.0	6.3	6.0	4.7	5.0	7.0	6.0
TEMPTATION (OR-21)	99	0	80.0	20.0	80.0	20.0	71.7	28.3	6.0	6.0	5.0	5.7	7.0	5.3	5.7	7.0	6.0
AQUADUCT	99	0	73.3	26.7	73.3	26.7	68.3	31.7	5.0	4.7	5.7	5.7	7.7	4.7	6.0	7.7	5.9
FALCON IV	99	0	60.0	40.0	60.0	40.0	50.0	50.0	4.7	5.0	5.3	6.7	6.3	5.3	7.0	7.0	5.9
MICHELANGELO (LTP-F5DPDR)	99	0	71.7	28.3	71.7	28.3	61.7	38.3	5.0	5.7	5.7	5.7	6.3	6.0	6.3	6.7	5.9
PPG-TF-115	99	0	73.3	26.7	73.3	26.7	65.0	35.0	5.0	5.3	7.0	6.3	6.7	5.3	5.3	6.3	5.9
PSG-TT4	99	0	70.0	30.0	70.0	30.0	70.0	30.0	6.0	6.7	6.3	5.7	6.3	4.7	5.0	6.7	5.9
BIZEM	99	0	78.3	21.7	78.3	21.7	73.3	26.7	5.3	5.7	7.0	5.7	5.7	4.7	5.0	7.0	5.8
IS-TF 285	99	0	63.3	36.7	63.3	36.7	48.3	51.7	5.0	5.0	4.7	6.0	6.7	5.0	7.0	7.0	5.8
IS-TF 289	99	0	70.0	30.0	70.0	30.0	61.7	38.3	4.3	5.0	6.0	5.7	5.7	6.0	6.0	8.0	5.8
IS-TF 310 SEL	99	0	58.3	41.7	58.3	41.7	45.0	55.0	5.7	6.0	6.3	6.3	7.3	4.3	4.3	6.0	5.8
IS-TF 311	99	0	61.7	38.3	61.7	38.3	56.7	43.3	5.0	4.7	6.7	5.7	6.3	4.7	5.7	7.7	5.8
JS 818	99	0	71.7	28.3	71.7	28.3	63.3	36.7	4.3	5.3	6.0	4.0	6.3	6.3	6.7	7.3	5.8
PPG-TF-135	99	0	65.0	35.0	65.0	35.0	61.7	38.3	5.3	6.3	6.0	7.0	7.3	4.7	4.0	5.7	5.8
RAIN DANCE (PST-5SDT)	99	0	53.3	46.7	53.3	46.7	48.3	51.7	4.7	5.3	6.0	5.3	7.3	5.0	6.0	6.7	5.8
WARHAWK	99	0	58.3	41.7	58.3	41.7	50.0	50.0	4.0	5.0	6.0	6.7	7.0	4.7	5.3	7.3	5.8
FOXHOUND (IS-TF 284 M2)	99	0	71.7	28.3	71.7	28.3	58.3	41.7	5.0	6.0	4.3	5.7	7.3	5.0	5.3	6.7	5.7

TABLE 15. (CONT'D) Mean turfgrass quality and other ratings of tall fescue cultivars grown under traffic stress at Blacksburg, VA 1/ 2014 data

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/																
	BEFORE TRAFFIC		TRAFFIC		TRAFFIC		TRAFFIC		MAY	JUN	JUL	QUALITY RATINGS					MEAN
	% GREEN	% STRAW	% GREEN	% BARE	% GREEN	% BARE	% GREEN	% BARE				AUG	SEP	OCT	NOV	DEC	
JS 819	99	0	71.7	28.3	71.7	28.3	61.7	38.3	4.7	5.3	5.7	5.7	6.7	5.0	5.0	7.3	5.7
204 RES. BLK4	99	0	63.3	36.7	63.3	36.7	55.0	45.0	4.7	5.7	5.0	6.0	7.0	4.7	5.3	6.3	5.6
GO-DFR	99	0	63.3	36.7	63.3	36.7	53.3	46.7	3.7	4.7	5.7	6.0	5.7	5.3	6.3	7.3	5.6
IS-TF 269 SEL	99	0	70.0	30.0	70.0	30.0	55.0	45.0	3.0	4.7	6.0	5.7	6.3	5.7	6.0	7.7	5.6
MARAUDER	99	0	60.0	40.0	60.0	40.0	45.0	55.0	5.0	4.7	4.0	5.7	6.3	5.7	6.7	7.0	5.6
ARES (PPG-TF-142)	99	0	68.3	31.7	68.3	31.7	58.3	41.7	4.3	5.3	5.3	6.7	6.3	5.3	5.0	6.7	5.6
ANNIHILATOR	99	0	70.0	30.0	70.0	30.0	65.0	35.0	3.7	5.0	6.0	6.0	6.7	5.3	5.7	6.0	5.5
FRONTLINE (EXP TF-09)	99	0	68.3	31.7	68.3	31.7	53.3	46.7	4.3	5.0	4.0	5.7	7.0	5.7	6.3	6.3	5.5
GRANDE 3	99	0	66.7	33.3	66.7	33.3	51.7	48.3	3.7	5.3	6.0	7.0	6.7	4.3	4.7	6.7	5.5
IS-TF 272	99	0	73.3	26.7	73.3	26.7	63.3	36.7	4.0	4.3	6.3	5.3	6.0	5.0	6.3	7.0	5.5
JS 825	99	0	66.7	33.3	66.7	33.3	56.7	43.3	4.3	4.7	5.3	6.3	6.0	4.7	5.7	7.3	5.5
PSG-8BP2	99	0	68.3	31.7	68.3	31.7	61.7	38.3	3.3	4.7	5.7	6.3	6.3	5.0	6.0	6.7	5.5
RAD-TF-92	99	0	56.7	43.3	56.7	43.3	43.3	56.7	3.3	4.7	6.3	6.3	6.7	4.0	6.0	7.0	5.5
BAR FA 120878	99	0	71.7	28.3	71.7	28.3	68.3	31.7	5.0	4.7	5.0	5.7	5.3	5.0	5.3	7.0	5.4
DIABLO (IS-TF 330)	99	0	76.7	23.3	76.7	23.3	61.7	38.3	4.7	5.3	6.0	4.7	6.0	4.7	4.7	7.3	5.4
PSG-GSD	99	0	70.0	30.0	70.0	30.0	60.0	40.0	4.3	4.7	6.7	4.7	5.7	4.7	6.0	6.7	5.4
THUNDERSTRUCK (TD1)	99	0	71.7	28.3	71.7	28.3	66.7	33.3	4.3	4.7	3.7	6.3	6.7	5.3	5.7	6.7	5.4
BAR FA 121091	99	0	55.0	45.0	55.0	45.0	41.7	58.3	4.0	4.7	4.3	6.7	5.7	5.0	5.7	6.7	5.3
BAR FA 121095	99	0	75.0	25.0	75.0	25.0	65.0	35.0	4.0	3.7	5.0	5.3	5.7	5.3	6.3	6.7	5.3
KINGDOM (DB1)	99	0	61.7	38.3	61.7	38.3	53.3	46.7	3.3	5.0	6.3	5.7	6.7	4.7	4.7	6.0	5.3
RAD-TF-83	99	0	78.3	21.7	78.3	21.7	63.3	36.7	3.7	4.0	5.3	5.3	6.7	5.0	5.3	6.7	5.3
BAR FA 121089	99	0	68.3	31.7	68.3	31.7	63.3	36.7	3.7	4.3	4.0	5.7	5.7	5.0	5.7	6.3	5.0
JS 809	99	0	70.0	30.0	70.0	30.0	61.7	38.3	5.0	3.3	4.7	5.0	5.3	4.7	5.0	6.7	5.0
K12-05	99	0	76.7	23.3	76.7	23.3	71.7	28.3	4.0	5.0	5.0	6.3	6.3	3.3	4.0	6.0	5.0
KY-31	99	0	70.0	30.0	70.0	30.0	55.0	45.0	4.7	5.0	4.3	5.3	5.7	3.7	4.7	5.7	4.9
K12-13	99	0	55.0	45.0	55.0	45.0	55.0	45.0	4.0	4.3	5.3	5.0	5.0	5.0	4.3	5.3	4.8
LSD VALUE	0	0	63.1	63.1	63.1	63.1	65.9	65.9	2.1	1.6	2.2	3.2	2.0	2.0	3.1	2.8	0.9
C.V. (%)	0	.	18.8	41.6	18.8	41.6	23.7	37.0	20.4	15.8	18.4	19.1	13.3	17.0	19.9	12.7	8.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF

TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 CROWN UNDER SHADE AT CARBONDALE, IL 1/
 2014 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
ROWDY (SRX-TPC)	91.3	84.0	7.0	7.3	7.7	8.7	8.7	7.3	7.3	7.7
4TH MILLENNIUM SRP (U43)	95.3	85.0	6.3	7.0	8.3	8.3	7.7	7.0	6.7	7.3
TITANIUM 2LS (PPG-TF-152)	88.3	79.7	6.0	7.7	7.7	7.7	7.0	7.0	7.3	7.2
PPG-TF-172	81.7	87.3	5.7	6.7	7.7	8.0	8.0	7.7	7.0	7.2
PST-5EV2	92.3	75.3	7.0	8.3	7.7	7.7	7.7	5.7	6.3	7.2
FIREWALL (PSG-WE1)	82.3	71.7	6.0	7.3	7.0	7.7	7.7	6.7	6.7	7.0
TECHNIQUE (RZ2)	81.7	70.0	7.0	8.0	6.7	7.3	7.3	6.3	6.0	7.0
REFLECTION (U45)	90.7	76.3	6.7	7.7	7.3	7.3	7.0	6.3	6.3	7.0
BIZEM	83.0	78.0	6.0	6.3	6.7	7.7	7.7	6.7	7.0	6.9
MET 6 SEL	87.7	70.7	7.0	8.0	7.7	7.3	7.0	5.0	6.0	6.9
PPG-TF-115	85.0	73.3	7.7	7.7	7.3	7.3	6.7	5.7	5.7	6.9
AVENGER II (PPG-TF-156)	85.3	75.0	6.3	7.7	6.7	7.3	7.3	6.3	6.7	6.9
MERIDIAN (PST-5GRB)	82.0	84.0	6.3	7.3	7.7	7.3	7.0	6.0	6.7	6.9
ATF 1736	79.7	76.3	5.3	6.7	7.3	7.7	7.3	7.0	6.0	6.8
MET-3	85.7	77.3	6.0	7.0	7.7	7.3	7.0	6.3	6.3	6.8
FIRECRACKER SLS (PPG-TF-105)	77.7	76.3	6.7	7.0	7.0	7.0	6.7	6.0	6.7	6.7
SCREAMER LS (PPG-TF-148)	80.3	79.7	5.7	6.0	7.7	7.7	7.3	6.3	6.3	6.7
TRAVERSE 2 SRP (W45)	75.0	87.0	6.0	7.0	6.7	7.0	6.7	7.0	6.7	6.7
GTO (BURL TF-2)	84.0	80.3	5.3	7.0	6.3	7.0	6.7	7.3	6.3	6.6
PPG-TF-151	84.7	73.0	6.0	7.0	7.0	7.0	6.7	6.0	6.7	6.6
RHAMBLER 2 SRP (LSD)	83.7	78.7	6.0	6.7	6.7	7.3	7.3	5.7	6.3	6.6
MAESTRO (T31)	80.3	75.3	6.0	7.0	6.7	6.7	6.3	7.0	6.7	6.6
FESNOVA	80.7	69.3	5.7	7.0	6.7	7.3	7.3	6.0	5.7	6.5
INSPIRATION (PST-R5NW)	80.3	70.0	6.0	7.3	7.3	7.0	6.3	5.3	6.0	6.5
IS-TF 285	89.7	86.3	6.3	7.0	7.7	7.0	6.0	5.3	6.3	6.5
MET 1	73.0	75.3	5.3	6.7	6.3	6.7	7.0	7.0	6.3	6.5
BAR FA 121089	82.0	80.0	6.3	7.0	6.7	6.7	6.0	6.0	6.0	6.4
CATALYST	78.3	74.7	5.3	6.3	6.7	7.0	7.0	6.7	6.0	6.4
FAYETTE (IS-TF 291)	80.3	75.3	5.7	7.0	7.0	6.7	6.0	6.0	6.3	6.4
PICK-W43	82.0	68.7	6.7	7.0	6.3	6.7	6.0	6.0	6.0	6.4
PPG-TF-170	77.7	65.7	6.0	6.7	6.7	7.0	7.0	5.7	6.0	6.4
SALTILLO (PST-5SALT)	85.7	75.7	5.3	6.3	6.7	7.0	7.0	6.3	6.0	6.4
TERRANO	79.0	67.3	6.0	7.0	6.7	6.7	6.7	6.0	6.0	6.4
B23	77.7	77.0	5.0	6.0	6.3	7.0	7.0	6.3	6.7	6.3
FIREBIRD 2	81.3	66.0	5.3	6.3	7.0	7.0	6.7	6.0	6.0	6.3
IS-TF 307 SEL	74.0	83.3	5.0	6.3	6.3	6.7	6.7	6.0	7.0	6.3
IS-TF-287	76.0	75.0	5.3	6.7	6.7	7.0	6.3	6.0	6.0	6.3
LEONARDO (LTP-FSD)	79.0	72.0	5.3	6.3	6.7	7.0	6.7	6.0	6.0	6.3
PST-5BRK	76.7	76.7	5.7	6.3	6.3	6.7	6.7	6.3	6.0	6.3
PSG-P01	76.0	71.7	5.7	7.0	6.0	6.3	6.0	6.0	6.3	6.2
PST-5EX2	78.7	78.3	6.0	6.3	6.3	6.7	6.3	5.7	6.3	6.2
RAD-TF-83	81.0	71.7	6.0	6.3	6.7	6.7	6.3	5.3	6.0	6.2
ATF 1754	77.3	66.0	5.7	6.3	6.3	6.7	6.3	6.3	5.0	6.1
CAESAR (TY 10)	72.0	74.7	5.3	6.3	5.7	6.3	6.3	6.0	6.7	6.1
KINGDOM (DB1)	80.7	70.0	6.3	7.3	6.7	6.0	5.3	5.7	5.7	6.1

TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
MICHELANGELO (LTP-F5DPDR)	76.0	55.0	6.0	7.0	6.3	6.3	6.0	5.7	5.3	6.1
RAPTOR III (ZW 44)	75.0	73.0	5.3	6.3	6.0	6.3	6.0	6.3	6.7	6.1
ATF 1704	74.0	80.0	4.7	6.0	6.0	6.7	6.3	6.3	6.3	6.0
HOVER (BURL TF-69)	79.7	65.0	5.7	6.3	6.3	6.0	5.3	6.0	6.0	6.0
DZ1	75.0	71.7	6.0	7.0	5.7	5.7	5.7	6.3	6.0	6.0
HEMI	74.3	73.3	5.3	6.3	5.7	6.3	6.3	6.0	6.3	6.0
HOT ROD (BURL TF-136)	75.7	62.3	6.3	6.7	6.3	6.3	5.7	5.0	5.3	6.0
IS-TF 272	75.3	65.0	4.7	5.7	6.3	7.0	7.0	6.0	5.0	6.0
ROCKWELL (LTP-TWUU)	72.3	71.7	5.7	6.0	5.7	6.3	6.3	6.3	6.0	6.0
BLACK TAIL (PPG-TF-150)	74.7	71.3	5.3	7.0	6.0	6.3	6.0	5.3	5.7	6.0
PSG-GSD	80.3	82.0	6.3	6.7	6.0	5.7	5.3	5.0	7.0	6.0
PST-5BPO	75.7	70.7	6.0	6.7	6.0	6.0	6.0	5.0	6.0	6.0
FALCON IV	67.3	68.7	5.3	6.0	6.0	6.3	6.0	6.0	5.3	5.9
GRANDE 3	73.3	63.3	5.0	6.3	6.3	6.3	6.0	5.7	5.3	5.9
PPG-TF-135	86.0	53.7	6.7	8.0	7.0	6.7	5.7	3.3	4.0	5.9
THOR (PPG-TF-157)	82.3	55.3	6.0	6.3	7.0	6.7	5.7	5.0	4.7	5.9
THUNDERSTRUCK (TD1)	76.0	68.3	5.3	6.3	6.3	6.3	5.7	5.3	6.0	5.9
F711	66.7	51.7	5.0	6.3	6.0	6.3	6.0	5.3	5.3	5.8
FAITH	79.0	68.3	6.3	6.3	5.7	5.7	5.7	4.7	6.0	5.8
IS-TF 289	68.7	56.3	6.0	6.3	6.3	6.0	5.7	5.0	5.0	5.8
IS-TF 308 SEL	81.7	55.3	5.7	7.3	6.3	6.0	5.0	5.7	4.3	5.8
IS-TF 310 SEL	80.0	75.7	4.7	5.7	5.7	6.3	6.7	5.7	6.0	5.8
JS 916	77.0	63.0	5.3	6.3	6.3	6.0	5.7	5.3	5.3	5.8
BULLSEYE	80.0	56.0	5.7	6.3	6.7	6.3	5.7	4.3	4.7	5.7
FRONTLINE (EXP TF-09)	75.7	68.3	4.7	5.3	5.7	6.0	5.7	6.3	6.3	5.7
IS-TF 269 SEL	65.0	68.3	5.0	5.7	6.0	6.0	5.3	6.3	5.3	5.7
IS-TF 276 M2	75.3	74.0	4.7	5.7	5.7	5.7	5.7	6.0	6.3	5.7
K12-MCD	76.7	64.7	6.0	6.0	5.7	6.0	5.7	5.3	5.0	5.7
DIABLO (IS-TF 330)	62.7	58.0	6.0	6.3	5.7	6.0	5.7	5.3	4.3	5.6
XTENDER (PPG-TF-139)	79.0	65.3	6.0	6.0	5.3	6.0	6.0	4.7	5.3	5.6
PPG-TF-169	60.7	63.3	4.7	5.3	5.7	6.3	6.0	5.7	5.3	5.6
PSG-8BP2	74.0	61.7	5.7	7.0	5.7	5.7	5.3	5.0	4.7	5.6
FALCON V	71.7	58.7	5.0	5.7	5.7	5.7	5.3	6.0	5.3	5.5
IS-TF 305 SEL	68.7	64.7	5.3	6.0	5.7	5.7	5.3	5.0	5.3	5.5
K12-05	83.3	46.3	6.3	7.0	6.3	5.7	5.0	4.0	4.3	5.5
PPG-TF-138	74.7	67.3	5.0	5.3	5.3	6.0	6.0	5.3	5.7	5.5
PST-5MVD	60.7	66.7	4.7	5.3	5.7	6.3	6.3	5.7	4.7	5.5
RAIN DANCE (PST-5SDT)	76.0	68.7	5.0	6.0	6.0	6.0	5.7	5.0	5.0	5.5
TEMPTATION (OR-21)	76.7	55.3	5.0	6.0	6.0	5.7	5.7	5.3	4.7	5.5
JS 819	72.0	54.0	5.0	5.7	5.7	6.0	5.7	5.3	4.7	5.4
PSG-TT4	81.0	59.7	5.3	6.0	6.3	5.7	4.7	5.0	4.7	5.4
RAD-TF-92	71.7	62.3	5.0	6.0	5.3	5.7	5.3	5.0	5.3	5.4
REGENERATE	70.0	72.7	5.0	6.0	5.0	5.3	5.7	5.3	5.7	5.4
W41	71.3	59.7	5.7	6.7	6.3	6.0	4.7	4.3	4.0	5.4
ATF 1612	73.7	69.3	4.7	5.3	5.3	5.7	5.3	4.7	6.3	5.3

TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN UNDER SHADE AT CARBONDALE, IL 1/

Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
BAR FA 120878	80.7	54.0	5.3	6.3	6.3	6.0	5.0	4.3	4.0	5.3
KY-31	66.7	55.0	6.0	7.0	5.0	5.0	4.7	5.7	4.0	5.3
PPG-TF-137	62.7	68.0	5.0	5.3	5.0	5.3	5.7	5.7	5.3	5.3
TURFWAY (IS-TF 282 M2)	62.3	58.3	5.3	5.7	5.0	5.3	5.7	4.3	5.3	5.2
IS-TF 311	62.0	56.3	4.7	6.0	5.3	5.7	5.3	5.0	4.7	5.2
BAR FA 121095	57.3	61.0	5.0	5.7	5.3	5.3	5.3	4.3	5.0	5.1
GO-DFR	69.3	51.0	5.3	6.0	5.7	5.3	4.3	4.0	5.0	5.1
FOXHOUND (IS-TF 284 M2)	65.7	63.0	4.7	4.7	5.3	5.3	5.0	6.0	4.7	5.1
JS 818	64.7	54.7	4.3	5.0	5.7	6.0	6.0	4.3	4.7	5.1
PST-5DZP	76.0	57.0	5.0	5.3	5.3	5.3	5.0	4.3	5.3	5.1
AQUADUCT	66.3	52.3	4.7	6.0	5.0	5.3	5.0	4.3	4.3	5.0
CCR2	58.3	45.0	5.3	5.3	5.7	5.3	4.7	4.0	4.3	5.0
RAD-TF-89	66.0	50.7	4.7	5.0	5.3	5.3	5.3	4.7	4.3	5.0
RAD-TF-88	62.7	51.7	5.0	5.3	4.7	5.3	4.7	4.7	4.7	4.9
DYNAMITE LS (PPG-TF-145)	53.7	59.0	4.0	4.3	4.7	5.3	5.3	5.0	4.7	4.8
ANNIHILATOR	66.7	53.3	4.3	4.7	4.7	5.3	5.3	3.7	4.7	4.7
SWAGGER (PST-5R05)	73.0	37.3	5.0	6.0	5.7	5.0	4.0	3.7	3.7	4.7
WARHAWK	60.7	60.0	4.0	5.3	4.7	5.0	5.0	4.3	4.7	4.7
BAR FA 121091	64.7	42.0	5.3	6.0	4.7	4.3	3.0	4.3	3.7	4.5
JS 809	41.7	49.0	4.0	4.3	4.3	4.7	4.7	4.3	5.0	4.5
JS 825	45.3	48.3	4.0	4.0	4.3	4.7	4.7	4.0	5.0	4.4
K12-13	47.0	45.3	4.3	3.7	4.7	4.7	4.3	4.7	4.0	4.3
ARES (PPG-TF-142)	64.3	35.0	3.7	4.3	5.0	5.0	5.0	3.0	3.0	4.1
COMP. RES. SST	42.0	36.3	3.3	4.3	4.3	4.3	4.3	4.0	3.7	4.0
MARAUDER	35.7	36.7	3.3	3.7	3.7	4.0	4.0	4.0	3.3	3.7
204 RES. BLK4	53.3	21.7	3.7	3.0	2.7	3.3	3.7	4.0	2.0	3.2
LSD VALUE	31.3	39.4	2.3	2.4	2.6	2.2	2.7	3.9	3.7	1.8
C.V. (%)	18.9	25.6	19.2	18.7	19.8	17.6	20.9	25.2	25.7	15.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 17. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 FOR BROWN PATCH STUDY AT WICHITA, KS 1/
 2014 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	BROWN PATCH WARM TEMP.	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT		
IS-TF 308 SEL	6.0	5.7	6.0	5.0	5.7	6.3	6.0	6.7	5.3	6.0	5.9	
PPG-TF-172	5.7	5.3	5.3	5.7	6.7	6.3	5.7	5.7	4.7	6.3	5.9	
PPG-TF-135	6.3	5.0	6.7	4.7	5.7	6.3	5.7	6.3	5.3	6.7	5.8	
THOR (PPG-TF-157)	7.0	5.7	6.0	5.0	6.0	6.7	6.0	6.3	4.7	5.7	5.8	
TECHNIQUE (RZ2)	5.7	5.3	6.3	5.7	6.0	6.7	5.7	5.7	5.0	5.7	5.8	
DZ1	6.0	5.0	6.3	4.7	5.7	6.3	5.7	6.0	5.0	6.3	5.7	
FALCON V	5.3	6.0	6.0	4.7	5.7	6.3	6.3	6.3	4.7	5.7	5.7	
MICHELANGELO (LTP-F5DPDR)	5.3	5.3	6.3	5.0	6.3	6.3	5.3	6.0	4.7	6.0	5.7	
ROCKWELL (LTP-TWUU)	6.3	6.3	6.0	5.3	6.3	7.0	5.3	5.3	4.0	6.3	5.7	
BLACK TAIL (PPG-TF-150)	5.3	5.3	6.0	5.3	6.3	6.0	5.7	6.0	5.0	5.7	5.7	
AVENGER II (PPG-TF-156)	6.0	5.3	6.3	4.3	6.0	6.3	6.3	6.3	4.7	5.7	5.7	
TERRANO	6.3	5.3	6.3	5.7	6.3	6.7	5.7	5.3	4.3	5.7	5.7	
REFLECTION (U45)	6.0	6.0	6.3	5.7	6.7	6.7	5.7	5.3	4.7	5.3	5.7	
F711	5.7	5.3	6.3	4.7	7.0	6.7	6.0	5.3	3.7	6.0	5.6	
FIREBIRD 2	7.0	5.7	6.0	4.7	6.0	6.3	5.0	6.3	5.3	5.3	5.6	
GTO (BURL TF-2)	6.0	5.7	5.7	5.0	6.0	6.0	5.7	6.0	5.0	5.7	5.6	
MET 1	6.0	5.7	6.3	4.7	6.0	6.0	6.0	5.7	4.7	6.0	5.6	
PICK-W43	5.7	6.0	5.7	4.7	6.0	7.0	5.7	5.7	4.0	6.3	5.6	
PPG-TF-151	6.3	6.0	6.3	6.0	5.3	6.3	5.3	6.0	4.7	5.7	5.6	
PST-5BRK	5.0	5.7	5.3	4.7	6.0	6.0	5.7	5.7	4.7	6.3	5.6	
MERIDIAN (PST-5GRB)	5.0	5.0	6.3	4.7	6.0	6.3	6.0	5.7	4.7	5.7	5.6	
PST-5MVD	5.7	5.3	6.3	5.0	6.0	6.3	5.7	5.7	4.3	6.3	5.6	
ROWDY (SRX-TPC)	6.3	4.3	5.3	4.7	6.3	6.7	6.0	6.0	4.3	5.0	5.6	
MAESTRO (T31)	5.7	5.7	5.7	5.0	6.0	6.0	6.0	4.7	4.3	7.0	5.6	
ATF 1612	5.7	5.0	5.3	4.0	6.0	6.0	6.0	5.7	4.3	6.7	5.5	
ATF 1704	5.0	5.7	6.0	5.0	5.3	6.0	5.7	5.3	5.0	6.0	5.5	
ATF 1754	5.3	5.0	5.3	5.3	5.7	6.0	6.3	5.3	4.7	5.0	5.5	
BIZEM	5.3	5.0	6.3	4.3	6.0	6.0	6.0	6.0	4.7	5.7	5.5	
IS-TF 307 SEL	6.3	5.0	5.7	5.0	5.3	6.3	6.0	5.3	4.3	6.3	5.5	
MET-3	5.7	5.3	5.7	4.7	5.7	6.0	5.7	6.0	4.3	6.0	5.5	
SCREAMER LS (PPG-TF-148)	5.3	5.0	7.0	4.3	5.7	6.0	6.0	5.7	4.7	6.0	5.5	
TITANIUM 2LS (PPG-TF-152)	6.3	4.7	5.7	5.7	6.0	6.3	5.7	5.0	4.0	6.0	5.5	
PPG-TF-169	5.7	5.7	5.7	5.0	5.7	6.0	5.3	5.0	5.3	6.3	5.5	
PST-5EX2	4.3	6.3	6.3	5.7	6.0	5.0	6.0	5.0	4.7	6.3	5.5	
REGENERATE	5.7	5.3	6.0	4.3	6.0	6.0	5.7	6.0	5.0	5.7	5.5	
4TH MILLENNIUM SRP (U43)	5.7	5.3	6.0	4.3	6.0	6.3	6.0	5.7	4.3	6.0	5.5	
TRAVERSE 2 SRP (W45)	6.0	5.3	6.0	4.0	6.0	6.0	6.0	6.0	4.3	6.3	5.5	
CCR2	6.0	5.7	6.0	5.0	6.3	6.3	5.7	5.3	4.0	5.3	5.4	
GRANDE 3	5.3	5.3	6.7	4.0	5.7	6.0	6.3	6.0	4.3	5.7	5.4	
JS 916	6.0	5.3	5.3	5.0	5.3	6.0	5.7	5.7	4.7	5.7	5.4	
LEONARDO (LTP-FSD)	5.7	5.0	5.7	5.0	5.7	6.0	6.0	5.3	4.3	5.7	5.4	
MET 6 SEL	5.0	5.0	5.0	4.7	6.0	5.7	5.7	5.0	4.3	6.7	5.4	
FIRECRACKER SLS (PPG-TF-105)	7.0	5.3	6.7	4.3	6.0	6.3	5.7	5.3	4.3	5.7	5.4	
PPG-TF-137	6.0	5.3	6.0	4.7	6.0	6.3	5.7	5.3	4.0	5.7	5.4	
DYNAMITE LS (PPG-TF-145)	7.7	5.0	5.3	5.0	5.7	6.7	5.7	5.0	4.3	5.3	5.4	

TABLE 17. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	BROWN PATCH WARM TEMP.			QUALITY RATINGS					MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT		
PST-5BPO	5.3	5.3	5.3	5.3	5.7	6.0	5.7	4.3	4.3	6.7	5.4
PST-5EV2	5.3	4.7	6.7	4.7	5.7	6.3	5.7	5.7	4.3	5.3	5.4
RHAMBLER 2 SRP (LSD)	6.0	5.0	5.0	4.7	6.3	6.3	5.3	5.3	4.3	5.7	5.4
SALTILLO (PST-5SALT)	6.0	4.3	6.3	5.0	5.7	6.0	5.7	5.7	3.7	6.0	5.4
W41	6.3	5.3	6.0	4.7	5.7	6.3	5.0	6.0	4.3	5.7	5.4
CATALYST	6.0	5.7	5.0	5.0	5.7	6.0	5.3	5.3	4.3	5.3	5.3
KINGDOM (DB1)	7.0	4.7	5.7	5.0	5.3	6.0	4.7	5.3	4.7	6.0	5.3
HOT ROD (BURL TF-136)	6.0	5.0	6.7	4.3	5.3	6.3	5.7	5.0	4.0	6.3	5.3
IS-TF 310 SEL	7.0	5.0	5.0	5.0	5.7	6.0	5.0	5.0	4.3	6.0	5.3
PPG-TF-115	7.0	4.7	6.0	4.3	6.0	6.3	5.7	5.0	3.7	6.0	5.3
PPG-TF-138	6.3	4.7	5.7	4.7	5.7	6.3	6.0	6.0	3.3	5.3	5.3
PSG-GSD	5.7	5.7	6.3	5.3	5.7	6.0	6.0	5.3	3.3	5.3	5.3
PSG-P01	6.3	5.3	6.3	4.7	5.3	6.3	5.3	5.3	4.3	6.0	5.3
PSG-TT4	6.0	5.0	5.7	5.0	5.3	5.7	5.7	5.0	5.0	5.7	5.3
SWAGGER (PST-5R05)	5.7	5.0	6.0	4.7	5.7	6.0	5.3	5.3	4.3	5.7	5.3
RAPTOR III (ZW 44)	6.0	5.7	5.7	5.3	6.3	6.0	5.3	5.0	3.7	5.7	5.3
ATF 1736	5.7	4.7	6.0	5.0	5.3	6.0	5.3	5.3	4.0	5.3	5.2
B23	6.3	4.7	6.3	3.7	6.0	6.0	5.7	5.7	4.0	5.7	5.2
FESNOVA	5.7	5.7	5.3	4.7	6.3	6.0	5.0	4.0	4.3	6.0	5.2
TURFWAY (IS-TF 282 M2)	7.3	5.3	6.0	5.0	5.3	6.3	5.3	5.0	4.7	5.0	5.2
FOXHOUND (IS-TF 284 M2)	7.3	4.7	5.3	5.0	6.0	6.0	5.3	5.0	4.0	5.0	5.2
FAYETTE (IS-TF 291)	7.3	5.0	5.3	4.7	5.7	5.7	5.3	5.0	4.0	6.0	5.2
ARES (PPG-TF-142)	7.3	5.0	5.7	4.7	5.3	5.7	5.3	5.3	4.0	6.0	5.2
FIREWALL (PSG-WE1)	6.7	5.0	6.0	4.0	5.7	6.7	5.3	5.0	4.0	6.0	5.2
RAD-TF-88	6.7	5.0	5.0	5.0	5.0	5.7	5.0	5.7	4.7	5.3	5.2
HOVER (BURL TF-69)	6.3	4.7	6.0	4.3	5.7	6.0	5.3	5.3	3.7	5.3	5.1
CAESAR (TY 10)	7.7	6.0	5.3	5.0	5.3	6.0	5.3	5.0	4.0	5.3	5.1
FAITH	6.3	5.3	5.7	4.3	5.3	6.0	5.7	5.3	3.3	6.0	5.1
FALCON IV	5.7	5.0	5.3	5.0	5.7	5.7	5.7	4.7	3.7	5.3	5.1
HEMI	6.0	4.7	6.3	3.3	5.3	6.0	5.3	5.3	4.3	6.0	5.1
IS-TF 269 SEL	7.0	5.0	4.3	5.0	6.0	6.0	4.7	4.0	4.3	5.7	5.1
IS-TF 276 M2	6.7	5.7	4.7	5.7	5.3	5.7	4.7	4.3	4.3	6.0	5.1
IS-TF 311	6.7	5.0	5.7	4.3	6.0	5.7	5.3	5.7	3.7	5.3	5.1
PPG-TF-170	6.7	5.7	5.3	4.3	6.0	6.3	5.7	4.7	3.3	5.7	5.1
PSG-8BP2	6.7	4.7	5.7	5.0	5.3	5.7	5.7	4.7	4.0	5.3	5.1
RAD-TF-89	7.0	4.7	5.3	4.0	5.3	5.7	5.0	5.0	4.7	6.0	5.1
BAR FA 121091	7.0	4.3	6.3	4.7	5.0	6.0	5.3	5.0	3.7	5.0	5.0
FRONTLINE (EXP TF-09)	7.3	5.7	4.7	4.7	5.7	5.3	5.0	4.3	3.7	6.7	5.0
GO-DFR	7.0	5.0	4.3	5.0	5.3	5.7	5.0	4.7	4.0	5.7	5.0
INSPIRATION (PST-R5NW)	6.7	5.0	5.7	4.3	5.7	5.7	5.7	4.7	3.7	5.3	5.0
DIABLO (IS-TF 330)	7.0	4.3	5.7	4.3	5.3	6.0	5.7	5.3	3.7	5.0	5.0
JS 819	7.0	5.0	5.7	5.0	5.3	6.3	4.7	5.0	3.3	5.7	5.0
K12-MCD	5.7	5.3	5.7	4.3	5.7	5.7	5.3	5.0	3.7	5.7	5.0
RAD-TF-92	6.0	5.0	4.7	4.7	5.0	5.7	4.7	4.7	4.7	5.3	5.0
THUNDERSTRUCK (TD1)	7.3	4.0	5.7	4.7	5.3	6.3	4.7	4.7	3.3	5.7	5.0

TABLE 17. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS FOR BROWN PATCH STUDY AT WICHITA, KS 1/

Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	BROWN PATCH WARM TEMP.	QUALITY RATINGS							MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	
BAR FA 121089	6.7	4.7	5.3	4.7	5.7	5.7	5.3	4.7	3.0	5.0	4.9
BULLSEYE	6.0	5.3	4.7	4.3	5.3	6.0	5.0	4.7	3.0	5.7	4.9
IS-TF 289	7.3	3.7	4.7	4.3	6.0	6.0	5.0	4.0	3.7	5.3	4.9
IS-TF 305 SEL	7.3	4.3	5.3	4.3	5.0	5.7	4.7	4.7	3.7	6.0	4.9
IS-TF-287	6.7	5.0	5.3	4.0	4.7	5.7	5.3	5.0	3.7	6.0	4.9
JS 818	7.3	5.3	4.3	4.7	5.7	5.3	5.0	4.3	3.3	5.7	4.9
PST-5DZP	6.3	4.0	5.7	4.3	5.0	6.0	5.3	4.7	3.0	5.7	4.9
RAD-TF-83	7.3	5.3	4.7	4.3	4.7	5.3	5.7	4.3	4.3	5.3	4.9
ANNIHILATOR	7.0	5.0	4.0	4.7	5.0	5.3	4.3	5.0	3.7	5.7	4.8
AQUADUCT	7.0	4.7	5.3	4.0	5.0	5.3	5.7	4.3	3.7	5.7	4.8
JS 825	7.0	4.3	4.3	4.7	5.0	5.7	5.0	3.7	3.7	5.7	4.8
MARAUDER	6.3	4.0	4.3	4.3	4.3	5.3	4.7	5.0	4.0	5.7	4.8
RAIN DANCE (PST-5SDT)	6.3	5.3	5.0	5.0	5.0	5.3	4.7	4.0	4.0	5.7	4.8
BAR FA 120878	5.0	4.3	5.3	5.0	4.0	5.0	5.0	4.3	4.3	5.3	4.7
BAR FA 121095	6.7	4.0	4.3	4.3	5.0	5.7	4.7	3.7	4.0	5.3	4.7
COMP. RES. SST	6.3	4.3	4.7	4.3	4.7	5.0	4.7	4.7	4.0	5.7	4.7
XTENDER (PPG-TF-139)	7.3	5.0	5.0	4.0	5.7	5.7	5.3	4.0	3.0	5.3	4.7
TEMPTATION (OR-21)	7.7	4.7	4.3	4.3	5.0	6.0	5.0	4.0	3.7	5.0	4.7
WARHAWK	7.3	4.7	4.7	5.0	4.3	4.7	4.7	4.7	4.0	5.7	4.7
IS-TF 272	8.0	4.7	4.0	4.7	5.3	6.0	4.7	3.7	3.0	5.0	4.6
K12-05	7.0	4.3	5.0	4.0	5.3	5.7	4.3	3.7	4.0	5.3	4.6
IS-TF 285	7.7	4.7	4.0	4.0	5.3	6.0	5.0	3.7	2.7	5.0	4.5
204 RES. BLK4	6.3	4.0	4.0	3.7	4.3	5.3	4.0	4.3	3.3	6.0	4.4
JS 809	7.7	4.0	5.0	3.7	4.7	5.0	5.3	4.0	2.7	5.3	4.4
K12-13	7.0	3.7	5.0	3.7	5.0	5.7	3.7	3.7	3.7	5.3	4.4
KY-31	3.0	6.0	7.3	3.0	3.0	4.0	3.3	3.0	4.0	4.0	3.5
LSD VALUE	1.0	1.4	2.2	1.3	1.2	1.0	1.3	1.8	2.2	1.0	0.6
C.V. (%)	10.0	13.6	17.1	13.8	11.3	8.7	11.9	17.3	20.1	9.2	6.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 CROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
 2014 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS							MEAN
				MAY	JUN	JUL	AUG	SEP	OCT		
IS-TF 272	6.3	6.7	6.3	9.0	8.3	7.0	6.7	7.0	6.0	7.3	
TURFWAY (IS-TF 282 M2)	5.7	7.7	6.3	9.0	8.7	7.3	6.3	7.0	5.7	7.3	
KINGDOM (DB1)	5.7	7.3	5.7	9.0	8.0	7.0	6.3	6.7	6.0	7.2	
FOXHOUND (IS-TF 284 M2)	6.3	7.3	6.7	8.7	8.0	7.0	6.7	6.7	6.0	7.2	
IS-TF 289	6.0	7.3	6.3	9.0	7.7	7.3	6.7	6.3	6.0	7.2	
K12-13	5.0	6.0	6.0	9.0	8.0	7.7	6.7	7.0	5.0	7.2	
PICK-W43	6.0	7.7	6.7	9.0	7.3	7.0	7.0	7.0	6.0	7.2	
FIREWALL (PSG-WE1)	5.7	8.0	6.0	8.7	7.0	7.0	7.0	7.0	6.3	7.2	
RAD-TF-89	6.3	7.0	6.0	9.0	7.3	8.0	6.0	7.0	6.0	7.2	
REGENERATE	6.0	7.7	6.0	9.0	7.7	7.7	6.3	7.0	5.7	7.2	
4TH MILLENNIUM SRP (U43)	6.0	7.7	6.3	9.0	7.3	7.3	7.0	6.3	6.0	7.2	
TRAVERSE 2 SRP (W45)	5.3	7.7	6.0	9.0	7.0	7.3	6.7	7.0	6.3	7.2	
CAESAR (TY 10)	6.0	7.3	5.7	9.0	7.3	7.0	6.3	7.0	5.7	7.1	
CCR2	5.0	8.0	6.0	8.7	7.0	6.3	6.7	7.7	6.3	7.1	
GO-DFR	6.0	7.0	6.3	9.0	7.7	6.7	6.3	7.0	6.0	7.1	
IS-TF 269 SEL	5.3	7.3	6.0	9.0	7.7	6.7	6.3	6.3	6.3	7.1	
MET 1	5.7	8.0	5.7	9.0	7.3	7.7	6.3	6.3	6.0	7.1	
PPG-TF-137	6.0	7.3	6.0	9.0	7.0	7.0	6.3	6.7	6.3	7.1	
ARES (PPG-TF-142)	5.7	7.3	6.0	8.7	8.0	7.3	6.3	6.7	5.7	7.1	
RAD-TF-92	5.7	7.3	6.0	9.0	7.0	7.7	6.3	6.3	6.0	7.1	
BULLSEYE	5.7	8.0	6.0	9.0	7.3	6.3	6.3	6.7	6.3	7.0	
IS-TF 285	5.7	8.0	6.0	9.0	7.7	6.7	5.7	7.3	5.7	7.0	
FAYETTE (IS-TF 291)	6.0	7.7	6.0	9.0	7.3	7.0	7.0	6.3	5.3	7.0	
IS-TF 307 SEL	6.0	7.7	6.7	8.7	7.3	6.3	6.3	7.3	6.0	7.0	
THUNDERSTRUCK (TD1)	5.3	7.3	6.0	9.0	7.3	6.7	6.3	6.7	6.0	7.0	
BIZEM	5.3	8.0	6.0	9.0	7.0	6.7	6.7	6.3	6.0	6.9	
CATALYST	5.3	7.7	6.0	9.0	6.7	6.7	6.3	7.0	6.0	6.9	
F711	5.3	7.3	5.7	9.0	7.0	7.0	6.0	6.7	5.7	6.9	
GRANDE 3	4.7	8.3	6.0	9.0	6.7	6.3	6.7	6.7	6.0	6.9	
HOT ROD (BURL TF-136)	5.7	7.7	5.7	9.0	7.0	6.7	6.3	6.7	6.0	6.9	
IS-TF 308 SEL	5.3	8.0	5.3	9.0	7.3	7.0	5.7	6.3	6.0	6.9	
IS-TF 310 SEL	5.7	7.7	6.0	9.0	7.0	6.3	6.3	6.7	6.0	6.9	
IS-TF 311	5.7	8.0	6.0	9.0	7.0	7.0	6.0	6.3	6.0	6.9	
K12-05	5.7	6.7	6.0	9.0	7.7	6.3	6.3	6.3	6.0	6.9	
K12-MCD	5.3	7.7	5.7	9.0	7.0	6.7	6.3	6.3	6.0	6.9	
ROCKWELL (LTP-TWUU)	5.7	8.0	6.3	9.0	7.3	6.7	6.0	6.3	6.0	6.9	
DYNAMITE LS (PPG-TF-145)	6.0	8.0	6.0	9.0	7.7	6.0	6.7	6.3	5.7	6.9	
THOR (PPG-TF-157)	5.7	7.7	5.0	9.0	7.3	6.0	6.3	6.7	6.3	6.9	
ROWDY (SRX-TPC)	5.3	7.3	5.7	9.0	7.0	7.3	6.0	6.3	6.0	6.9	
TEMPTATION (OR-21)	6.3	7.7	6.0	9.0	7.3	7.0	6.3	6.0	6.0	6.9	
W41	5.7	7.7	6.0	9.0	7.0	7.0	6.3	6.0	6.0	6.9	
B23	5.0	7.7	6.0	9.0	7.3	6.3	5.7	6.7	5.7	6.8	
COMP. RES. SST	5.3	7.3	6.0	9.0	6.3	6.7	5.7	7.0	6.0	6.8	
FAITH	5.7	8.0	6.0	9.0	7.0	6.7	6.3	7.0	5.0	6.8	
FESNOVA	5.3	8.0	5.7	9.0	7.0	6.0	6.0	6.7	6.0	6.8	

Taken from the 2013 Tall Fescue test - 2014 data report with permission from NTEP.
 TABLE 1: MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
 2014 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS							MEAN
				MAY	JUN	JUL	AUG	SEP	OCT		
FIREBIRD 2	5.3	7.7	6.3	9.0	7.0	6.7	6.0	6.3	6.0	6.8	
MICHELANGELO (LTP-F5DPDR)	4.7	6.7	5.3	9.0	7.0	7.0	6.0	6.7	5.0	6.8	
MET-3	5.3	8.0	6.0	9.0	7.0	6.3	6.3	6.0	6.3	6.8	
PST-5DZP	5.7	7.3	5.3	9.0	7.0	6.7	6.0	6.0	6.0	6.8	
RAD-TF-83	5.7	8.0	6.0	9.0	7.0	6.3	6.3	6.7	5.7	6.8	
REFLECTION (U45)	4.7	7.7	5.3	9.0	7.0	6.0	6.3	7.0	5.7	6.8	
RAPTOR III (ZW 44)	5.7	7.7	6.3	9.0	7.0	7.0	6.0	6.3	5.7	6.8	
BAR FA 121095	5.0	7.0	6.0	9.0	7.0	6.7	6.3	5.7	5.7	6.7	
HOVER (BURL TF-69)	5.7	7.7	6.3	9.0	6.7	6.3	6.0	6.3	6.0	6.7	
GTO (BURL TF-2)	5.7	8.0	6.0	9.0	6.7	6.3	5.7	6.3	6.0	6.7	
IS-TF 276 M2	5.0	7.7	6.0	9.0	7.0	6.3	6.3	6.0	5.3	6.7	
DIABLO (IS-TF 330)	5.3	7.3	6.3	9.0	7.7	6.0	5.7	6.3	5.7	6.7	
LEONARDO (LTP-FSD)	5.0	7.3	5.7	9.0	6.3	6.3	6.3	6.0	6.3	6.7	
FIRECRACKER SLS (PPG-TF-105)	6.0	7.3	5.7	9.0	7.0	6.3	6.0	6.0	6.0	6.7	
PPG-TF-115	5.3	7.3	5.7	9.0	7.0	6.7	6.0	6.0	5.7	6.7	
PPG-TF-138	4.3	8.0	6.0	9.0	6.7	6.3	6.0	6.3	6.0	6.7	
XTENDER (PPG-TF-139)	5.3	7.0	6.0	9.0	7.0	6.7	6.0	6.0	5.7	6.7	
SCREAMER LS (PPG-TF-148)	5.7	8.3	6.3	9.0	7.0	6.0	6.0	6.0	6.3	6.7	
AVENGER II (PPG-TF-156)	5.0	8.0	6.0	8.7	6.3	6.3	6.3	6.3	6.0	6.7	
PPG-TF-170	5.7	8.3	6.0	9.0	6.7	5.7	6.0	6.7	6.0	6.7	
PPG-TF-172	5.7	7.3	6.3	9.0	7.0	6.3	6.0	6.0	6.0	6.7	
PST-5BRK	5.3	8.3	5.3	9.0	6.7	6.7	6.3	6.0	5.7	6.7	
RAD-TF-88	5.0	7.3	6.7	9.0	7.0	6.7	5.3	6.0	6.0	6.7	
ATF 1736	4.7	7.0	5.7	9.0	6.3	6.7	6.0	5.7	5.7	6.6	
FRONTLINE (EXP TF-09)	5.7	7.3	5.7	8.7	7.0	6.3	5.3	6.3	5.7	6.6	
HEMI	5.3	8.3	6.3	9.0	6.7	5.7	5.3	6.7	6.0	6.6	
IS-TF 305 SEL	5.0	8.0	5.7	8.7	7.0	5.7	5.7	6.7	5.7	6.6	
IS-TF-287	5.3	8.0	5.7	8.7	7.0	5.3	6.0	6.3	6.0	6.6	
JS 916	5.3	8.0	5.7	9.0	6.7	5.7	5.7	6.7	5.7	6.6	
PPG-TF-135	6.0	7.7	6.0	9.0	6.0	5.7	6.0	6.3	6.3	6.6	
BLACK TAIL (PPG-TF-150)	4.7	8.0	6.0	9.0	6.3	5.7	5.7	6.7	6.0	6.6	
PPG-TF-151	4.7	7.0	6.0	9.0	7.0	6.0	5.7	6.0	5.7	6.6	
PSG-P01	5.7	7.7	6.0	9.0	7.0	6.3	6.0	6.0	5.3	6.6	
RHAMBLER 2 SRP (LSD)	6.0	7.0	6.0	9.0	7.0	6.3	5.0	6.7	5.7	6.6	
TERRANO	5.3	7.7	6.0	9.0	7.0	6.3	5.7	5.7	5.7	6.6	
WARHAWK	5.3	8.0	6.0	9.0	6.3	6.0	6.3	6.3	5.7	6.6	
ATF 1612	5.7	8.0	6.3	8.7	6.7	6.0	5.7	6.0	6.0	6.5	
FALCON V	5.7	7.7	6.0	9.0	6.7	5.7	6.0	6.0	5.7	6.5	
PPG-TF-169	4.7	8.0	5.3	9.0	6.0	6.3	6.0	6.0	5.7	6.5	
PST-5BPO	5.0	7.3	5.0	9.0	6.7	6.7	5.0	6.0	5.7	6.5	
MAESTRO (T31)	5.7	8.0	6.0	9.0	6.7	6.3	5.3	6.0	5.7	6.5	
204 RES. BLK4	5.0	7.7	6.7	9.0	5.3	6.0	6.0	6.3	6.0	6.4	
ATF 1704	5.0	8.0	5.3	9.0	6.0	6.0	5.3	6.0	6.3	6.4	
JS 809	5.3	6.7	5.7	9.0	6.3	6.3	5.3	5.7	6.0	6.4	
JS 818	5.3	7.7	5.7	9.0	6.7	6.3	5.3	6.0	5.3	6.4	

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS							MEAN
				MAY	JUN	JUL	AUG	SEP	OCT		
JS 819	4.7	7.0	5.7	9.0	7.3	6.0	5.7	5.7	4.7	6.4	
MET 6 SEL	5.3	7.7	6.0	9.0	6.7	6.3	5.3	5.7	5.3	6.4	
TITANIUM 2LS (PPG-TF-152)	4.7	7.3	6.0	9.0	7.0	5.7	5.3	5.7	6.0	6.4	
PSG-TT4	4.7	8.0	5.7	9.0	7.0	6.0	5.3	5.7	5.3	6.4	
MERIDIAN (PST-5GRB)	5.3	7.3	6.0	9.0	7.0	5.7	5.0	6.0	5.7	6.4	
PST-5MVD	5.3	8.0	5.7	9.0	7.0	6.0	5.7	6.0	5.0	6.4	
SWAGGER (PST-5R05)	5.3	7.3	5.7	9.0	6.7	6.3	5.0	6.0	5.7	6.4	
ATF 1754	5.0	7.7	5.7	9.0	6.0	5.7	6.0	5.7	5.3	6.3	
MARAUDER	5.0	7.0	6.0	9.0	6.0	6.0	5.3	5.7	5.7	6.3	
PSG-8BP2	5.3	7.7	6.0	9.0	6.7	5.0	5.7	5.7	5.7	6.3	
RAIN DANCE (PST-5SDT)	5.3	7.7	5.0	9.0	6.3	6.0	5.0	5.7	5.7	6.3	
BAR FA 121091	4.7	7.0	5.3	9.0	6.7	5.0	5.7	5.3	5.3	6.2	
INSPIRATION (PST-R5NW)	5.3	8.0	4.7	9.0	6.7	5.0	5.7	5.3	5.7	6.2	
PSG-GSD	5.0	7.0	5.7	9.0	6.7	5.7	4.3	6.0	5.3	6.2	
PST-5EV2	4.3	7.7	5.7	8.3	6.7	5.7	5.7	5.3	5.7	6.2	
TECHNIQUE (RZ2)	5.0	7.7	6.0	8.7	6.7	5.0	5.0	5.7	6.0	6.2	
SALTILLO (PST-5SALT)	5.3	7.0	6.0	9.0	6.3	5.3	5.0	6.0	5.7	6.2	
ANNIHILATOR	4.7	7.7	6.0	9.0	6.3	5.7	5.0	6.3	4.3	6.1	
BAR FA 121089	5.0	7.7	5.0	9.0	6.3	5.7	4.7	5.3	5.3	6.1	
DZ1	5.3	8.0	5.7	8.0	7.0	4.7	5.3	6.0	5.7	6.1	
FALCON IV	5.3	7.7	5.0	9.0	6.0	6.0	4.7	4.7	6.0	6.1	
JS 825	5.0	7.0	5.7	9.0	6.7	4.7	5.3	6.0	5.0	6.1	
PST-5EX2	5.3	8.3	5.7	8.7	6.0	5.0	5.0	5.3	6.0	6.0	
AQUADUCT	5.0	7.3	6.0	9.0	5.7	4.7	5.3	5.7	5.0	5.9	
BAR FA 120878	4.0	7.7	4.7	9.0	4.3	3.7	4.3	4.7	4.3	5.1	
KY-31	2.7	8.3	3.3	9.0	2.3	2.0	2.0	3.0	2.7	3.5	
LSD VALUE	1.2	1.1	1.1	0.6	0.8	1.6	1.8	1.1	1.1	0.5	
C.V. (%)	11.4	7.1	9.2	2.4	7.4	13.9	14.4	10.1	9.7	5.2	

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	RHIZOME COUNTS	AVERAGE DIAMETER 1	AVERAGE DIAMETER 2
CATALYST	1.0	15.0	16.0
GTO (BURL TF-2)	3.7	15.3	16.0
HEMI	1.7	12.3	16.0
DYNAMITE LS (PPG-TF-145)	4.0	15.0	16.0
W41	1.0	14.7	16.0
BAR FA 121091	0.3	15.3	15.7
JS 818	2.0	14.7	15.7
KY-31	3.3	14.0	15.7
PST-5DZP	7.0	15.0	15.7
B23	2.7	15.0	15.3
COMP. RES. SST	3.3	15.0	15.3
F711	1.7	14.0	15.3
IS-TF 276 M2	4.0	15.0	15.3
MARAUDER	2.0	14.3	15.3
SCREAMER LS (PPG-TF-148)	2.0	15.0	15.3
BLACK TAIL (PPG-TF-150)	1.3	15.0	15.3
FIREWALL (PSG-WE1)	0.7	14.0	15.3
BAR FA 120878	2.0	13.3	15.0
BAR FA 121095	3.0	14.7	15.0
DZ1	5.0	13.7	15.0
FALCON IV	5.0	14.7	15.0
FIREBIRD 2	1.7	13.3	15.0
IS-TF 289	3.0	13.7	15.0
JS 916	0.3	14.7	15.0
ROCKWELL (LTP-TWUU)	2.0	13.7	15.0
PICK-W43	2.7	14.7	15.0
AVENGER II (PPG-TF-156)	1.7	15.0	15.0
MERIDIAN (PST-5GRB)	0.7	14.0	15.0
PST-5MVD	2.7	14.3	15.0
TERRANO	2.0	14.7	15.0
TRAVERSE 2 SRP (W45)	1.7	15.0	15.0
RAPTOR III (ZW 44)	5.0	14.0	15.0
FAITH	2.7	13.7	14.7
FESNOVA	1.7	15.0	14.7
IS-TF 272	2.3	13.7	14.7
IS-TF 284 M2	2.3	14.3	14.7
IS-TF 305 SEL	2.7	13.7	14.7
IS-TF 311	2.7	13.7	14.7
JS 825	4.0	14.3	14.7
K12-05	5.0	14.3	14.7
MET 6 SEL	3.7	14.7	14.7
FIRECRACKER SLS (PPG-TF-105)	2.7	14.0	14.7
PPG-TF-135	4.0	14.0	14.7
ARES (PPG-TF-142)	4.3	16.0	14.7
PPG-TF-169	4.0	14.3	14.7

TABLE 19. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
 Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 (CONT'D) FOR SPREAD STUDY AT LOGAN, UT 1/
 2014 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	RHIZOME COUNTS	AVERAGE DIAMETER 1	AVERAGE DIAMETER 2
PPG-TF-172	2.3	14.0	14.7
PSG-GSD	1.3	14.0	14.7
RAD-TF-88	3.0	15.3	14.7
REGENERATE	2.7	14.0	14.7
REFLECTION (U45)	1.3	13.0	14.7
AQUADUCT	6.7	14.3	14.3
ATF 1704	2.7	14.7	14.3
BIZEM	3.3	14.3	14.3
KINGDOM (DB1)	6.0	13.7	14.3
FRONTLINE (EXP TF-09)	7.0	14.3	14.3
IS-TF 269 SEL	2.3	14.3	14.3
TURFWAY (IS-TF 282 M2)	6.0	14.0	14.3
IS-TF 285	5.7	14.3	14.3
FAYETTE (IS-TF 291)	2.3	15.0	14.3
MET-3	3.7	13.7	14.3
PPG-TF-115	4.0	13.0	14.3
TITANIUM 2LS (PPG-TF-152)	1.7	13.0	14.3
PPG-TF-170	2.3	13.3	14.3
RAD-TF-83	2.0	14.0	14.3
RAIN DANCE (PST-5SDT)	5.0	14.3	14.3
RHAMBLER 2 SRP (LSD)	3.3	15.0	14.3
ROWDY (SRX-TPC)	2.7	12.7	14.3
MAESTRO (T31)	2.7	14.0	14.3
WARHAWK	4.7	14.0	14.3
ANNIHILATOR	2.7	15.3	14.0
ATF 1736	4.0	14.0	14.0
CCR2	5.0	13.3	14.0
FALCON V	2.0	14.0	14.0
GRANDE 3	6.0	13.7	14.0
MET 1	2.0	14.3	14.0
PPG-TF-138	1.3	13.3	14.0
PSG-8BP2	3.7	14.7	14.0
PST-5BRK	2.3	14.0	14.0
PST-5EV2	2.7	13.7	14.0
PST-5EX2	2.7	13.3	14.0
SALTILLO (PST-5SALT)	3.3	14.0	14.0
TEMPTATION (OR-21)	3.3	13.7	14.0
ATF 1612	5.3	14.3	13.7
ATF 1754	2.0	14.3	13.7
BAR FA 121089	5.0	14.7	13.7
BULLSEYE	3.3	14.7	13.7
CAESAR (TY 10)	5.7	14.0	13.7
GO-DFR	5.3	15.0	13.7
IS-TF 307 SEL	1.0	14.3	13.7
IS-TF 308 SEL	1.3	14.3	13.7

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	RHIZOME COUNTS	AVERAGE DIAMETER 1	AVERAGE DIAMETER 2
JS 809	5.0	14.0	13.7
JS 819	2.7	14.0	13.7
K12-MCD	2.0	13.0	13.7
LEONARDO (LTP-FSD)	2.3	12.7	13.7
PPG-TF-137	2.3	14.3	13.7
XTENDER (PPG-TF-139)	0.3	14.0	13.7
PPG-TF-151	2.7	14.0	13.7
PSG-P01	5.0	14.3	13.7
SWAGGER (PST-5R05)	1.7	13.0	13.7
RAD-TF-92	3.0	14.7	13.7
TECHNIQUE (RZ2)	2.0	15.3	13.7
204 RES. BLK4	3.0	14.7	13.3
INSPIRATION (PST-R5NW)	3.0	13.7	13.3
IS-TF-287	3.0	12.7	13.3
K12-13	4.7	13.7	13.3
PST-5BPO	4.0	13.7	13.3
RAD-TF-89	3.7	14.0	13.3
THUNDERSTRUCK (TD1)	6.0	13.7	13.3
4TH MILLENNIUM SRP (U43)	3.0	12.7	13.3
IS-TF 310 SEL	1.0	13.7	13.0
MICHELANGELO (LTP-F5DPDR)	5.0	13.3	13.0
THOR (PPG-TF-157)	2.7	14.0	13.0
HOVER (BURL TF-69)	3.0	12.7	12.7
DIABLO (IS-TF 330)	1.3	14.0	12.7
PSG-TT4	4.7	14.0	12.7
HOT ROD (BURL TF-136)	2.0	13.7	12.3
LSD VALUE	8.1	6.5	5.8
C.V. (%)	77.8	9.0	9.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 20. Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
 2014 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/														MEAN
	AR1	CT1	CA3	GA1	IA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ1	NJ2	TN1	
ARES (PPG-TF-142)	7.3	8.7	7.7	6.3	7.7	7.0	8.3	7.3	6.7	8.7	7.0	8.3	8.3	8.0	7.7
FOXHOUND (IS-TF 284 M2)	8.0	8.3	8.0	6.7	7.3	6.7	8.0	6.7	7.0	8.3	7.0	8.7	8.7	8.0	7.7
IS-TF 272	8.0	8.3	8.0	6.3	8.3	6.7	8.3	6.7	6.7	8.3	7.0	8.3	8.7	7.7	7.7
DIABLO (IS-TF 330)	8.0	7.7	8.0	6.7	8.7	6.3	8.3	5.7	7.0	8.0	7.0	8.7	8.7	8.3	7.6
IS-TF 289	7.7	7.7	8.0	7.0	8.3	6.3	8.7	6.3	7.0	8.0	7.0	7.7	8.7	7.3	7.5
TEMPTATION (OR-21)	7.7	8.0	7.7	7.0	7.0	6.7	8.3	7.0	6.7	8.7	7.0	8.0	9.0	7.0	7.5
K12-05	7.7	8.0	7.7	7.0	7.7	7.0	8.3	6.7	6.7	8.3	6.7	8.7	8.0	6.7	7.5
RAD-TF-83	7.7	8.0	7.7	6.7	7.7	6.7	9.0	5.3	6.7	8.0	7.0	8.3	8.0	7.7	7.5
TURFWAY (IS-TF 282 M2)	7.3	7.3	8.0	7.3	7.0	6.0	8.0	6.0	6.3	8.0	7.0	8.7	8.7	8.0	7.4
IS-TF 307 SEL	7.7	8.0	8.0	6.7	7.7	6.0	8.0	6.3	6.7	8.0	7.0	7.3	8.7	7.7	7.4
KINGDOM (DB1)	7.7	7.7	8.0	6.0	7.0	6.3	8.0	5.3	7.0	8.0	7.0	8.7	8.3	8.7	7.4
FAYETTE (IS-TF 291)	7.3	7.0	8.0	6.3	8.3	6.3	8.7	5.3	6.7	8.0	7.0	8.7	7.7	8.0	7.4
THUNDERSTRUCK (TD1)	7.7	7.7	7.7	6.3	7.7	6.3	7.7	6.0	6.7	8.7	7.0	9.0	8.0	7.0	7.4
CAESAR (TY 10)	8.0	7.3	7.7	6.7	6.7	7.0	8.3	5.7	6.7	8.0	7.0	7.7	8.7	7.3	7.3
IS-TF 305 SEL	7.3	8.0	7.7	7.3	7.3	6.7	8.0	6.3	6.7	8.0	6.7	7.0	8.0	7.7	7.3
THOR (PPG-TF-157)	7.3	8.0	8.0	6.7	7.7	7.0	8.3	6.0	6.3	7.7	7.0	7.3	8.0	7.3	7.3
IS-TF 285	7.3	7.3	8.0	6.7	6.3	7.0	8.3	6.0	6.0	8.0	7.0	7.7	8.0	7.7	7.2
B23	7.3	7.0	7.3	6.0	8.3	7.0	8.0	6.0	6.0	8.0	7.0	7.3	7.7	8.3	7.2
DYNAMITE LS (PPG-TF-145)	7.0	8.0	8.0	6.0	7.3	6.7	8.0	6.3	6.0	8.0	7.0	7.7	8.0	7.0	7.2
RAD-TF-88	7.3	7.7	8.0	6.3	7.3	7.0	8.0	5.3	6.0	7.7	7.0	8.7	6.7	8.0	7.2
RAD-TF-92	7.3	7.7	7.7	6.7	7.7	6.3	8.3	6.0	6.7	8.0	7.0	7.0	7.0	7.7	7.2
IS-TF 310 SEL	7.7	8.0	8.0	7.0	7.3	6.3	7.7	5.3	6.7	7.3	6.7	7.3	7.3	8.0	7.2
RAD-TF-89	7.7	7.3	7.7	6.3	7.7	6.3	8.7	6.0	6.0	8.0	7.0	8.0	6.7	7.3	7.2
IS-TF 269 SEL	7.3	7.7	8.0	6.7	7.3	6.0	8.3	5.3	6.7	7.7	7.0	7.7	8.0	6.7	7.2
REFLECTION (U45)	7.3	7.3	8.0	7.0	8.3	6.7	8.0	5.7	6.3	7.7	7.0	7.0	6.7	7.3	7.2
FRONTLINE (EXP TF-09)	7.3	7.0	7.7	6.0	7.0	6.0	8.0	5.7	6.0	8.3	7.0	8.7	8.7	6.7	7.1
GO-DFR	7.0	7.0	8.0	6.7	7.0	6.7	8.0	6.0	6.3	8.0	7.0	7.0	8.3	7.0	7.1
TEMPLE (DZ1)	7.3	6.7	8.0	6.7	7.3	6.3	7.7	5.7	6.7	8.0	7.0	7.0	7.0	8.0	7.1
IS-TF 308 SEL	7.7	7.3	7.3	6.7	7.3	7.0	8.0	6.0	6.3	7.7	7.0	6.3	7.3	7.3	7.1
K12-13	7.7	8.0	8.0	6.3	7.0	5.7	8.0	5.7	6.0	8.0	7.0	6.7	8.0	7.3	7.1
JS 916	7.3	7.0	7.7	6.3	7.7	6.7	8.0	6.3	6.0	7.7	7.0	6.7	7.0	7.7	7.1
TITANIUM 2LS (PPG-TF-152)	7.3	7.7	8.0	7.3	7.7	6.3	8.0	5.0	6.3	8.0	7.0	6.7	7.0	6.7	7.1
BULLSEYE	7.7	6.7	8.0	6.7	8.0	5.7	7.7	5.7	6.0	8.0	7.0	7.0	7.7	7.3	7.1
IS-TF 276 M2	7.0	7.3	7.7	6.7	7.0	6.3	8.0	5.7	6.3	7.7	7.0	7.0	7.7	7.3	7.0
XTENDER (PPG-TF-139)	7.7	7.0	7.7	6.7	8.0	6.3	8.3	5.7	6.3	7.3	7.0	6.7	6.0	8.0	7.0
FIRECRACKER SLS (PPG-TF-105)	7.7	7.7	7.7	7.0	7.7	6.7	7.7	5.0	6.3	7.3	7.0	7.0	7.3	6.7	7.0
JS 818	7.3	8.0	7.7	6.0	6.0	6.0	7.7	5.3	6.7	8.0	7.0	7.7	8.3	7.0	7.0
FIREBIRD 2	7.3	7.0	7.3	6.7	7.7	6.0	7.7	5.3	6.3	8.0	7.0	7.0	7.0	7.7	7.0
HOVER (BURL TF-69)	7.0	7.7	7.3	6.3	7.3	6.7	7.7	6.0	6.0	7.7	7.0	7.3	6.7	7.3	7.0
IS-TF 311	7.3	7.0	8.0	6.7	8.0	5.7	8.0	5.3	6.0	7.7	7.0	7.0	7.3	6.7	7.0
RAPTOR III (ZW 44)	7.3	7.0	8.0	6.7	8.0	6.3	7.3	5.0	6.0	7.7	6.3	7.3	6.7	8.0	7.0

TABLE 20. (CONT'D) GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/

NAME	AR1	CT1	CA3	GA1	IA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ1	NJ2	TN1	MEAN
TERRANO	7.3	7.3	8.0	6.3	7.0	6.3	8.0	5.3	6.0	7.7	7.0	6.3	8.0	7.0	7.0
BAR FA 121095	7.3	7.7	7.3	6.3	6.0	6.0	8.0	6.3	6.3	7.7	6.7	7.0	7.0	7.7	7.0
PPG-TF-138	7.3	6.7	7.3	7.0	7.7	6.3	8.0	5.7	6.0	7.7	7.0	6.7	6.7	7.3	7.0
BAR FA 121091	7.3	7.7	7.7	6.0	6.0	6.3	8.3	5.7	6.3	8.0	6.7	6.0	8.3	6.7	6.9
PICK-W43	7.3	7.0	7.7	6.7	8.7	6.0	8.0	5.0	6.0	6.7	7.0	6.7	6.7	7.7	6.9
4TH MILLENNIUM SRP (U43)	7.0	6.7	7.7	6.3	8.3	6.3	8.0	5.0	6.0	7.3	7.0	7.0	6.0	8.3	6.9
JS 809	7.0	7.3	8.0	6.3	6.3	5.3	8.0	5.7	6.0	7.7	7.0	7.3	8.0	7.0	6.9
FAITH	7.0	6.3	7.3	6.7	8.0	6.0	8.0	5.7	6.7	7.3	7.0	7.0	6.7	7.3	6.9
PPG-TF-151	7.0	6.7	7.7	7.0	8.0	6.7	8.0	5.3	6.0	7.3	7.0	5.7	7.0	7.3	6.9
JS 819	7.0	7.7	8.0	6.0	6.3	5.7	7.3	5.7	6.0	8.0	7.0	7.7	8.0	6.3	6.9
REGENERATE	7.0	7.0	8.0	6.3	8.3	6.0	7.7	4.7	6.0	7.3	7.0	7.3	7.0	7.0	6.9
HEMI	7.0	6.7	7.7	6.7	7.7	6.7	7.7	5.3	6.0	7.3	7.0	7.3	6.7	6.7	6.9
PPG-TF-115	7.0	6.7	7.7	6.7	7.7	5.7	7.0	5.7	6.0	8.0	6.7	7.0	7.3	7.3	6.9
TRAVERSE 2 SRP (W45)	7.0	6.7	7.7	6.3	9.0	5.7	7.7	6.0	6.3	7.7	6.3	7.0	6.3	6.7	6.9
HOT ROD (BURL TF-136)	7.3	6.0	8.0	6.7	8.0	6.3	7.7	5.3	6.0	7.0	7.0	6.7	7.0	7.0	6.9
BAR FA 121089	7.0	6.7	8.0	6.3	7.0	6.3	7.7	5.3	6.0	8.0	6.7	6.3	7.3	7.3	6.9
CCR2	7.7	6.7	7.7	6.7	8.3	6.3	7.3	5.3	6.0	7.0	7.0	7.0	6.3	6.7	6.9
PPG-TF-170	7.0	6.0	7.7	7.0	7.7	6.3	8.0	5.3	6.0	7.0	7.0	6.7	7.0	7.3	6.9
MAESTRO (T31)	7.0	7.0	7.7	7.0	8.7	6.0	7.3	5.0	6.0	7.3	7.0	6.3	6.7	6.7	6.8
W41	7.3	7.0	7.7	6.3	8.0	6.3	8.0	5.0	6.3	7.3	7.0	6.3	6.3	6.7	6.8
FESNOVA	7.3	6.7	8.0	6.0	7.3	6.3	7.3	5.3	6.3	7.0	7.0	5.7	7.3	7.7	6.8
IS-TF-287	7.0	7.0	8.0	6.7	7.3	6.0	7.7	5.7	6.0	7.7	7.0	6.3	6.3	6.7	6.8
JS 825	7.0	7.0	7.3	6.7	6.0	5.3	7.7	5.3	6.3	8.0	6.7	6.7	8.3	6.7	6.8
PPG-TF-172	6.7	7.3	7.7	6.7	7.7	6.0	7.3	5.3	6.0	7.7	6.7	5.7	7.0	7.3	6.8
RHAMBLER 2 SRP (LSD)	6.7	7.0	8.0	6.0	7.3	6.0	8.0	5.3	6.7	7.3	6.7	6.0	6.3	7.7	6.8
BIZEM	7.7	7.0	7.7	6.3	8.0	5.7	7.3	5.0	6.0	7.3	7.0	6.7	6.3	6.7	6.8
PPG-TF-137	7.3	7.0	7.7	6.7	7.3	5.7	7.3	5.0	6.0	7.3	7.0	6.7	6.7	7.0	6.8
ROWDY (SRX-TPC)	7.3	7.0	8.0	6.7	7.7	5.7	7.3	5.0	6.0	7.3	6.7	6.7	6.3	7.0	6.8
PPG-TF-135	7.0	6.0	7.7	6.7	8.7	6.0	7.7	4.7	6.0	7.3	6.7	6.7	5.7	7.7	6.7
PST-5DZP	7.0	7.3	7.3	6.3	7.3	5.0	7.3	5.0	6.3	7.3	7.0	6.3	7.7	7.0	6.7
MET 1	7.3	6.0	7.7	7.0	8.3	5.3	7.7	5.0	6.0	7.0	6.7	6.0	6.7	7.3	6.7
PSG-P01	7.3	6.7	8.0	6.7	7.3	6.0	7.3	5.0	6.0	8.0	7.0	6.3	5.7	6.7	6.7
ROCKWELL (LTP-TWUU)	7.7	7.0	7.7	7.0	7.3	6.0	7.7	4.3	6.0	6.7	6.7	6.3	7.0	6.7	6.7
WARHAWK	7.0	6.7	7.7	6.3	6.0	6.3	7.3	5.0	6.0	7.7	6.7	6.0	8.3	7.0	6.7
MET-3	7.7	6.3	7.3	6.3	7.7	6.7	7.0	5.0	6.7	7.0	7.0	6.3	6.0	7.0	6.7
FALCON V	7.7	6.7	7.7	7.0	7.3	6.3	7.7	5.0	6.0	7.0	7.0	5.0	6.7	6.7	6.7
FIREWALL (PSG-WE1)	7.0	6.7	7.3	5.7	7.7	6.0	7.7	5.0	6.3	7.0	7.0	6.0	6.7	7.7	6.7
GTO (BURL TF-2)	7.0	6.0	7.7	7.0	8.0	6.0	7.3	4.7	6.0	7.0	7.0	6.7	6.0	7.3	6.7
F711	7.3	6.7	7.7	6.0	7.7	6.0	7.7	5.0	6.0	7.3	7.0	6.3	6.0	6.7	6.7
AVENGER II (PPG-TF-156)	7.3	6.7	7.3	7.0	7.0	6.3	7.3	5.7	6.0	7.0	6.3	6.7	6.3	6.3	6.7
ANNIHILATOR	7.0	6.7	7.3	6.7	6.0	5.7	7.0	5.0	6.0	8.0	7.0	6.0	7.7	7.0	6.6
PST-5EV2	7.3	6.7	7.7	7.0	7.7	5.3	7.0	5.0	6.0	6.7	6.7	6.0	6.7	7.3	6.6

TABLE 20. (CONT'D) GENETIC COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/														MEAN
	AR1	CT1	CA3	GA1	IA1	IL1	IN1	MO1	MS1	NC1	NE1	NJ1	NJ2	TN1	
GRANDE 3	7.3	6.7	7.7	6.7	7.7	6.0	7.7	4.7	6.0	7.0	7.0	5.7	6.0	7.0	6.6
FALCON IV	7.0	5.7	7.7	6.7	7.3	6.0	7.3	5.0	6.0	7.3	6.3	6.3	7.0	7.3	6.6
PST-5MVD	7.3	5.7	7.7	6.7	7.3	6.3	7.3	5.3	6.0	7.7	6.7	5.7	6.3	6.7	6.6
ATF 1612	7.0	6.7	7.0	6.7	7.3	5.7	7.3	5.0	6.0	7.3	7.0	6.3	5.7	7.7	6.6
LEONARDO (LTP-FSD)	7.3	6.7	8.0	7.0	7.3	5.7	7.0	5.0	6.3	7.0	7.0	5.0	6.0	7.3	6.6
PPG-TF-169	7.0	6.0	8.0	6.3	8.0	6.3	7.7	5.0	5.7	7.0	7.0	5.7	5.3	7.7	6.6
BLACK TAIL (PPG-TF-150)	7.0	6.3	7.3	6.7	8.0	6.0	7.0	5.0	6.0	7.3	6.7	6.3	6.0	6.3	6.6
PSG-8BP2	7.0	6.0	7.3	6.0	7.3	5.0	7.7	5.3	5.7	7.3	6.7	6.0	7.3	7.0	6.5
SWAGGER (PST-5R05)	7.3	6.0	7.7	6.3	7.0	5.3	7.3	5.3	6.0	7.3	6.7	5.0	6.7	7.3	6.5
ATF 1736	7.0	6.3	8.0	6.7	7.0	6.3	7.7	4.7	6.0	7.0	6.7	5.3	6.0	6.7	6.5
TECHNIQUE (RZ2)	7.0	6.0	7.3	6.3	7.3	5.7	7.3	5.3	6.0	7.0	6.7	6.3	5.3	7.3	6.5
K12-MCD	7.3	6.0	7.7	6.3	6.7	6.0	7.0	5.0	6.0	7.7	7.0	5.7	5.7	6.7	6.5
MARAUDER	7.3	6.0	7.7	6.0	6.3	6.0	7.3	5.0	6.0	8.0	6.3	5.3	6.7	6.7	6.5
MICHELANGELO (LTP-F5DPDR)	7.0	5.7	7.3	6.7	7.3	6.0	7.3	4.7	6.0	7.0	6.7	5.7	5.3	7.7	6.5
COMP. RES. SST	6.3	6.3	7.3	7.0	6.0	5.7	6.3	5.0	6.0	8.3	6.0	6.3	6.7	7.0	6.5
SCREAMER LS (PPG-TF-148)	7.0	6.3	8.0	6.7	7.7	5.7	7.7	4.7	5.7	7.0	6.3	6.0	5.3	6.3	6.5
INSPIRATION (PST-R5NW)	7.0	6.0	7.7	6.7	7.0	5.0	7.0	5.3	6.0	7.7	7.0	5.0	5.3	7.3	6.4
CATALYST	7.0	5.3	7.7	6.3	7.7	6.0	7.3	4.3	6.3	7.0	6.3	6.0	5.7	6.7	6.4
MET 6 SEL	6.7	6.3	7.3	6.7	7.7	5.3	7.0	5.3	6.0	6.7	7.0	5.7	5.0	6.7	6.4
ATF 1754	7.3	6.3	6.7	6.3	7.3	5.3	7.0	5.0	6.0	7.0	6.3	6.0	5.3	6.7	6.3
PSG-GSD	6.3	5.7	7.3	6.3	7.0	5.7	7.0	4.7	6.0	6.7	7.0	5.3	5.7	7.0	6.3
PST-5BRK	7.0	6.7	7.7	6.3	7.0	5.0	7.3	4.7	6.0	7.0	6.7	4.0	4.3	7.3	6.2
PST-5BP0	7.0	6.0	7.7	6.7	7.0	5.3	7.0	4.7	6.0	7.3	6.7	4.3	4.3	6.7	6.2
SALTILLO (PST-5SALT)	6.7	6.0	7.7	6.3	6.7	5.7	6.3	4.7	6.0	7.7	6.7	4.3	5.0	7.0	6.2
ATF 1704	7.0	6.0	7.7	6.3	7.0	5.3	6.3	4.7	6.0	7.0	6.7	4.7	5.0	6.7	6.2
RAIN DANCE (PST-5SDT)	6.7	5.3	7.7	6.0	6.3	5.7	7.3	5.0	6.0	7.0	6.7	4.7	5.7	6.3	6.2
MERIDIAN (PST-5GRB)	7.3	5.0	7.7	6.0	7.0	4.7	7.0	5.0	6.0	6.7	6.3	5.0	6.0	6.7	6.2
PSG-TT4	7.0	5.3	7.7	6.3	7.0	5.3	6.3	4.7	6.0	7.0	6.3	4.7	5.7	6.7	6.1
AQUADUCT	6.7	6.3	8.0	5.7	6.0	4.7	6.7	4.7	5.3	7.0	6.3	5.0	6.7	6.3	6.1
204 RES. BLK4	7.0	5.7	7.7	6.0	5.7	5.3	7.3	4.3	6.0	7.0	6.0	4.7	4.3	6.7	6.0
PST-5EX2	7.0	5.7	8.0	6.3	6.7	4.7	6.7	4.3	5.7	6.0	6.7	3.0	3.7	6.7	5.8
BAR FA 120878	6.0	4.7	8.0	6.3	5.3	5.3	5.3	5.3	5.0	6.0	5.7	2.3	5.0	6.0	5.5
KY-31	3.3	2.0	6.7	5.3	4.0	3.0	4.0	3.7	4.0	4.0	4.0	1.0	1.0	4.0	3.6
LSD VALUE	0.8	0.9	0.8	1.0	1.0	1.1	1.0	1.0	0.6	0.7	0.6	1.3	1.3	1.3	0.3
C.V. (%)	6.9	8.0	6.1	9.3	8.8	11.3	7.9	11.3	5.7	5.8	5.4	12.7	11.9	11.3	8.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	CT1	CA3	IA1	IL1	MS1	NC1	NE1	NJ1	OK1	PA1	TN1	MEAN
PPG-TF-169	6.0	6.0	5.7	6.3	6.3	6.3	3.7	6.7	5.3	4.3	5.7	5.7
ROCKWELL (LTP-TWUU)	6.0	5.3	5.7	5.7	5.7	6.3	5.0	7.7	3.7	4.7	5.0	5.5
4TH MILLENNIUM SRP (U43)	5.0	6.0	5.7	5.0	5.7	6.3	4.7	7.0	5.7	4.0	5.0	5.5
KY-31	7.0	6.0	5.0	6.0	5.0	3.0	4.7	9.0	4.7	4.7	4.7	5.4
F711	5.7	5.3	5.7	6.0	6.0	6.3	3.7	7.0	5.0	3.0	5.7	5.4
SCREAMER LS (PPG-TF-148)	5.7	6.3	6.0	5.0	5.7	5.7	4.3	7.3	4.3	4.0	4.3	5.3
FAITH	6.0	5.7	4.7	6.0	5.3	7.3	4.7	6.7	4.3	3.3	4.7	5.3
LEONARDO (LTP-FSD)	5.3	5.7	5.7	5.7	6.0	6.3	4.7	6.7	4.3	2.7	5.3	5.3
PICK-W43	5.7	6.0	6.0	5.0	5.7	6.0	3.7	7.3	4.3	3.7	5.0	5.3
CATALYST	3.3	6.7	6.0	5.7	6.0	6.7	4.0	6.3	5.0	3.3	5.0	5.3
FALCON IV	5.3	6.0	5.7	5.0	5.3	6.7	5.3	6.3	4.3	3.0	5.0	5.3
MAESTRO (T31)	5.7	6.0	5.7	5.3	6.0	6.0	4.3	6.3	4.0	4.0	4.7	5.3
PST-5EX2	5.7	5.7	6.0	5.0	5.7	5.0	5.0	8.3	4.0	4.0	3.7	5.3
PST-5MVD	5.7	5.7	5.7	5.3	5.0	6.3	4.7	7.0	4.0	4.0	4.7	5.3
FALCON V	5.3	6.0	5.7	6.0	5.7	6.3	4.3	6.3	4.3	3.0	4.7	5.2
BAR FA 120878	6.3	7.3	5.0	6.0	5.0	5.7	4.7	5.7	4.0	3.0	4.7	5.2
CCR2	5.0	4.7	5.7	6.0	6.0	6.0	4.0	7.0	4.0	4.3	4.3	5.2
GRANDE 3	5.3	4.7	4.3	5.0	5.3	6.7	4.3	7.7	4.3	4.3	5.0	5.2
REGENERATE	4.0	7.3	5.7	5.3	5.7	5.7	4.0	6.7	4.7	4.0	4.0	5.2
GTO (BURL TF-2)	5.7	5.0	5.7	5.3	5.3	6.3	3.7	7.3	4.3	3.0	5.0	5.2
TRAVERSE 2 SRP (W45)	6.0	6.0	5.7	5.3	6.0	6.7	4.3	5.3	4.0	3.0	4.3	5.2
ATF 1704	5.3	5.7	5.3	4.7	5.0	6.0	4.7	6.7	4.3	3.7	5.3	5.2
BULLSEYE	6.3	5.7	5.3	5.0	4.7	5.7	4.3	6.7	4.7	3.7	4.7	5.2
W41	5.7	5.0	5.7	6.0	5.0	6.0	4.3	5.3	4.7	3.3	5.3	5.1
PPG-TF-170	4.7	5.3	5.7	5.3	6.0	6.3	4.3	6.7	4.7	3.0	4.3	5.1
RAIN DANCE (PST-5SDT)	6.0	5.3	4.7	5.0	5.3	6.7	5.0	6.7	4.0	3.3	4.3	5.1
MET 1	4.7	5.3	5.7	5.7	6.0	5.7	4.0	7.0	4.3	2.5	5.3	5.1
FAYETTE (IS-TF 291)	5.3	5.0	5.0	5.7	5.7	6.3	4.3	5.3	5.3	3.3	4.7	5.1
MICHELANGELO (LTP-F5DPDR)	5.0	6.3	5.7	5.0	5.7	6.0	4.3	5.7	4.3	3.0	5.0	5.1
BIZEM	4.7	6.0	6.0	5.0	5.3	6.3	4.7	7.0	3.3	3.0	4.3	5.1
IS-TF 311	6.0	6.0	5.7	5.3	5.3	6.0	4.0	6.3	3.7	3.0	4.3	5.1
MET-3	5.0	5.7	5.3	5.0	6.0	6.0	4.0	6.0	4.3	3.7	4.7	5.1
PPG-TF-135	5.0	6.0	5.7	5.3	5.0	6.3	3.7	6.7	4.7	3.0	4.3	5.1
AVENGER II (PPG-TF-156)	4.7	5.0	5.3	5.7	5.3	6.0	4.0	6.7	4.3	3.3	5.0	5.0
INSPIRATION (PST-R5NW)	5.0	5.7	5.0	4.7	5.3	6.3	5.0	6.0	4.3	3.3	4.7	5.0
CAESAR (TY 10)	5.3	5.0	5.0	4.7	5.3	6.7	4.7	6.3	4.0	3.5	4.7	5.0
TECHNIQUE (RZ2)	5.0	6.0	6.0	5.0	5.0	6.3	4.0	7.3	4.0	2.0	4.3	5.0
ATF 1754	5.3	5.7	5.3	5.0	5.0	6.0	4.3	7.0	4.0	2.3	5.0	5.0
FESNOVA	4.3	6.0	5.0	5.0	5.7	5.7	4.3	6.7	4.7	3.3	4.3	5.0
HOT ROD (BURL TF-136)	4.0	5.3	5.7	5.0	5.7	6.3	4.0	6.7	5.0	2.7	4.7	5.0
PSG-GSD	5.3	5.3	5.0	5.3	5.3	6.0	4.3	7.0	3.7	3.0	4.7	5.0

TABLE 21: (CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	CT1	CA3	IA1	IL1	MS1	NC1	NE1	NJ1	OK1	PA1	TN1	MEAN
TITANIUM 2LS (PPG-TF-152)	5.3	5.7	5.3	5.0	5.3	7.0	4.3	5.3	4.0	2.5	5.0	5.0
JS 916	6.0	6.7	5.0	5.3	5.7	5.7	4.3	4.3	4.3	3.3	4.0	5.0
ATF 1736	4.3	5.7	5.0	5.0	5.3	6.0	5.0	6.3	4.0	3.0	5.0	5.0
B23	3.3	5.7	5.7	5.7	5.3	6.0	4.0	5.7	4.7	3.7	5.0	5.0
FIREWALL (PSG-WE1)	3.7	5.0	5.7	4.7	5.3	6.0	4.7	6.3	4.7	3.7	5.0	5.0
TEMPTATION (OR-21)	7.0	5.0	4.7	5.3	5.0	6.3	5.0	5.3	4.0	2.5	4.3	5.0
MET 6 SEL	3.3	5.0	5.3	5.7	6.3	5.7	4.3	6.3	4.3	3.3	4.7	4.9
ATF 1612	4.0	5.3	5.0	5.0	5.0	5.7	4.3	6.7	4.0	4.3	5.0	4.9
PST-5BPO	4.7	5.7	5.0	5.3	5.0	6.7	5.0	5.7	3.7	3.0	4.7	4.9
PST-5BRK	6.0	5.7	4.3	5.0	5.3	6.0	4.7	6.3	4.0	2.3	4.7	4.9
IS-TF 308 SEL	4.7	5.7	5.3	5.7	5.0	6.3	3.7	5.3	4.0	3.3	5.0	4.9
RAPTOR III (ZW 44)	4.7	5.3	5.7	4.7	6.0	5.7	4.7	6.0	4.3	2.3	4.7	4.9
THOR (PPG-TF-157)	4.7	5.7	6.0	4.3	5.0	6.0	4.3	5.7	5.0	2.3	5.0	4.9
XTENDER (PPG-TF-139)	5.7	6.3	5.0	5.3	5.3	5.7	4.0	5.7	3.3	2.3	5.0	4.9
HOVER (BURL TF-69)	4.0	5.3	5.3	4.7	5.0	6.0	4.7	6.3	5.0	3.0	4.0	4.8
BLACK TAIL (PPG-TF-150)	3.7	5.3	5.3	5.3	5.3	5.7	3.7	6.3	4.0	4.0	4.7	4.8
PST-5EV2	4.7	6.0	5.0	5.0	5.7	5.3	4.0	5.7	4.0	3.3	4.3	4.8
IS-TF-287	5.3	4.7	5.3	4.7	5.0	6.0	4.3	6.0	4.3	2.7	4.7	4.8
RAD-TF-89	4.3	6.0	5.0	5.0	5.3	6.3	5.3	5.0	4.3	2.0	4.3	4.8
FIREBIRD 2	4.3	5.3	6.0	5.0	5.0	5.7	4.0	6.3	4.0	2.7	4.7	4.8
HEMI	5.3	5.3	4.7	5.3	5.0	6.0	3.7	6.0	4.3	2.7	4.7	4.8
PSG-PO1	2.3	5.7	6.0	4.7	5.0	6.0	4.0	6.3	4.0	3.3	5.3	4.8
SWAGGER (PST-5R05)	5.7	5.7	4.3	4.0	5.3	5.7	4.7	6.7	4.0	3.0	3.7	4.8
TURFWAY (IS-TF 282 M2)	5.3	5.3	4.7	5.0	5.0	6.0	5.0	5.7	4.0	2.3	4.3	4.8
K12-MCD	4.3	6.0	5.3	4.3	5.0	6.0	5.3	5.7	3.7	2.3	4.7	4.8
MERIDIAN (PST-5GRB)	4.3	5.3	5.0	5.0	5.0	6.7	4.0	7.0	4.0	1.7	4.7	4.8
PSG-TT4	5.7	5.3	4.7	4.0	5.0	6.0	4.7	6.3	3.0	3.3	4.3	4.8
ROWDY (SRX-TPC)	4.7	6.0	5.3	4.3	5.0	5.7	4.3	4.3	4.3	3.3	5.0	4.8
PPG-TF-138	5.0	5.3	5.0	4.7	5.3	6.7	4.0	5.3	4.0	2.3	4.7	4.8
TERRANO	4.0	7.3	4.7	4.7	5.0	6.7	5.0	4.7	3.7	2.3	4.3	4.8
FIRECRACKER SLS (PPG-TF-105)	4.3	6.3	5.0	4.0	5.0	6.3	4.7	5.7	3.7	3.0	4.3	4.8
FRONTLINE (EXP TF-09)	6.0	5.0	4.7	4.0	5.3	6.7	5.3	4.7	4.0	2.5	4.0	4.7
204 RES. BLK4	4.0	5.7	4.7	5.3	4.3	6.0	4.3	6.0	5.3	1.7	4.7	4.7
PPG-TF-115	4.7	5.3	5.0	4.3	5.0	5.7	5.0	5.0	4.3	2.3	5.3	4.7
PSG-8BP2	6.0	5.7	5.0	4.3	5.0	5.3	5.0	6.0	3.3	2.3	3.7	4.7
KINGDOM (DB1)	3.7	6.7	5.3	4.7	5.0	5.7	5.0	4.3	4.0	2.0	5.0	4.7
PPG-TF-151	4.3	5.3	5.3	3.7	5.7	5.7	4.7	5.3	3.7	3.0	4.7	4.7
REFLECTION (U45)	4.7	5.3	5.7	4.3	5.3	5.3	4.3	4.3	3.7	3.0	5.3	4.7
DIABLO (IS-TF 330)	4.3	5.7	4.7	5.0	5.0	6.7	5.0	4.0	3.7	2.7	4.7	4.7
PPG-TF-137	5.0	5.3	5.0	5.3	5.3	6.0	3.7	5.3	3.7	2.0	4.7	4.7
PPG-TF-172	4.0	5.3	5.7	4.7	5.0	6.7	4.7	4.7	4.0	2.0	4.7	4.7
AQUADUCT	6.0	6.3	3.3	4.3	5.0	6.0	5.0	4.3	3.7	2.7	4.3	4.6

TABLE 21: (CONT'D)

SPRING GREENUP RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	CT1	CA3	IA1	IL1	MS1	NC1	NE1	NJ1	OK1	PA1	TN1	MEAN
ARES (PPG-TF-142)	5.0	6.3	5.3	5.3	5.0	6.0	4.3	3.7	3.3	2.0	4.7	4.6
IS-TF 269 SEL	4.3	6.0	5.0	5.0	5.0	5.7	5.0	4.3	3.7	2.3	4.7	4.6
IS-TF 310 SEL	4.3	5.7	5.0	4.3	5.3	6.0	4.7	5.3	3.7	2.3	4.3	4.6
RHAMBLER 2 SRP (LSD)	4.7	6.7	5.0	4.3	5.0	5.7	4.7	4.0	3.7	2.0	5.0	4.6
COMP. RES. SST	5.3	5.7	4.0	3.7	4.7	6.7	4.7	3.7	4.7	2.3	5.0	4.6
SALTILLO (PST-5SALT)	5.0	6.0	5.0	5.3	4.7	5.7	4.3	4.3	4.0	2.0	4.0	4.6
IS-TF 276 M2	5.3	5.3	5.3	4.0	5.0	6.0	5.3	3.7	3.3	1.7	4.7	4.5
IS-TF 305 SEL	4.7	5.3	4.7	5.3	5.0	5.3	4.3	5.0	3.7	1.7	4.7	4.5
WARHAWK	5.7	6.3	4.0	5.0	5.0	5.7	5.3	3.0	4.0	1.0	4.7	4.5
IS-TF 285	4.0	5.7	5.0	4.0	5.0	6.0	4.7	5.0	3.3	2.3	4.3	4.5
RAD-TF-83	3.3	6.3	5.0	4.0	5.0	5.7	4.3	4.3	4.0	3.0	4.3	4.5
ANNIHILATOR	6.0	5.0	3.7	4.3	5.0	6.3	5.0	4.3	3.7	1.3	4.3	4.5
JS 818	5.3	7.3	5.0	3.3	4.7	5.0	4.7	4.0	3.7	2.0	4.0	4.5
RAD-TF-88	2.3	5.7	4.7	4.0	5.3	5.7	4.7	5.0	4.7	2.3	4.7	4.5
BAR FA 121089	4.7	5.3	4.7	4.3	5.0	6.3	4.3	4.3	3.3	2.0	4.3	4.4
RAD-TF-92	4.0	5.3	4.7	3.7	5.0	5.7	5.0	5.0	4.7	1.3	4.3	4.4
MARAUDER	5.7	6.3	4.3	4.7	4.3	5.0	4.7	3.0	4.3	1.7	4.7	4.4
GO-DFR	4.0	5.7	5.0	4.7	4.3	5.3	4.7	5.0	4.0	1.3	4.3	4.4
JS 819	5.3	6.0	4.7	5.0	5.3	5.3	4.3	3.3	3.7	1.7	3.7	4.4
TEMPLE (DZ1)	2.7	5.7	4.7	4.0	5.0	6.0	4.0	5.3	3.7	2.3	4.3	4.3
DYNAMITE LS (PPG-TF-145)	6.3	5.7	4.7	5.0	4.3	5.3	4.0	4.0	2.3	1.0	5.0	4.3
IS-TF 307 SEL	3.7	5.0	4.7	4.0	5.0	6.0	4.3	3.7	4.0	3.0	4.3	4.3
JS 809	5.0	7.0	4.3	4.0	4.7	5.3	4.3	3.0	4.0	1.7	4.0	4.3
IS-TF 272	4.7	5.7	4.7	4.3	5.0	5.0	3.3	4.7	4.0	1.7	4.0	4.3
IS-TF 289	3.7	6.3	4.7	4.0	5.0	5.3	4.3	3.3	4.0	1.7	4.7	4.3
BAR FA 121091	4.0	6.0	4.0	4.3	4.3	6.0	5.0	3.3	2.7	2.0	5.0	4.2
THUNDERSTRUCK (TD1)	3.3	5.3	4.0	5.0	4.7	5.3	5.0	3.0	4.0	1.3	5.7	4.2
PST-5DZP	5.0	5.3	4.0	4.3	5.0	5.3	4.3	3.7	4.0	1.0	4.7	4.2
FOXHOUND (IS-TF 284 M2)	4.7	6.3	5.0	3.7	4.7	4.3	4.7	2.7	3.0	1.7	4.0	4.1
JS 825	4.0	5.7	5.0	3.7	4.7	5.0	4.7	2.0	3.7	1.7	4.3	4.0
K12-05	3.0	5.0	4.7	4.3	5.3	5.7	4.0	2.7	3.7	1.7	3.7	4.0
BAR FA 121095	3.7	6.0	3.7	3.3	4.7	4.0	4.7	3.0	3.0	1.0	4.7	3.8
K12-13	3.3	4.7	4.7	4.7	4.3	4.3	4.3	1.0	4.0	1.3	3.0	3.6
LSD VALUE	1.9	1.1	0.9	1.3	0.7	1.4	1.2	1.7	1.0	1.5	1.0	0.4
C.V. (%)	24.7	11.6	10.9	16.4	8.5	14.7	16.1	19.4	15.4	33.4	14.1	16.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 22. LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	AR1	CT1	CA3	IA1	IL1	IN1	M01	MS1	NC1	NE1	NJ1	NJ2	OK1	MEAN
REGENERATE	6.0	6.3	5.7	8.0	7.0	5.7	6.7	6.0	8.0	5.7	8.7	7.0	5.0	6.6
CCR2	6.3	7.0	6.0	7.7	6.7	6.0	6.0	6.0	7.3	5.7	8.0	6.3	5.7	6.5
MERIDIAN (PST-5GRB)	7.3	7.3	4.7	7.0	6.0	6.3	5.7	6.0	8.0	5.0	8.7	6.7	5.3	6.5
204 RES. BLK4	7.3	7.3	6.0	6.0	5.3	6.0	7.0	7.0	8.0	4.7	7.7	6.3	4.7	6.4
TRAVERSE 2 SRP (W45)	6.3	7.0	5.0	8.3	6.0	5.7	6.0	6.0	7.3	5.7	8.3	6.7	5.0	6.4
B23	6.3	6.3	5.7	8.0	6.0	6.0	6.3	6.3	7.7	5.3	7.3	6.7	5.0	6.4
RAD-TF-89	6.3	5.7	6.3	7.7	6.3	6.0	6.7	6.0	7.3	5.3	7.0	7.7	4.3	6.4
RAD-TF-92	7.3	6.3	5.0	7.3	6.0	6.3	5.7	6.0	7.0	5.0	7.7	8.7	4.3	6.4
PPG-TF-135	6.3	6.0	6.0	8.0	7.0	6.0	5.7	6.0	7.7	5.7	6.7	6.3	5.0	6.3
PPG-TF-137	6.3	6.3	6.0	7.3	6.3	6.0	6.0	6.3	7.3	5.7	7.7	6.3	4.7	6.3
RAD-TF-88	6.7	7.0	4.7	7.0	5.0	6.3	6.0	6.3	7.3	5.3	7.3	8.7	4.3	6.3
FAYETTE (IS-TF 291)	6.3	6.0	5.7	8.0	6.3	6.0	6.3	6.0	7.7	5.0	7.7	6.0	5.0	6.3
TITANIUM 2LS (PPG-TF-152)	6.7	6.7	5.0	7.7	5.7	6.0	6.0	6.0	7.7	5.7	7.3	6.7	5.0	6.3
4TH MILLENNIUM SRP (U43)	6.3	6.0	5.7	8.0	5.7	5.7	6.0	6.0	7.3	5.3	8.3	6.7	4.7	6.3
HEMI	6.3	6.3	6.3	7.7	5.7	6.0	6.3	6.0	7.0	5.7	7.3	6.3	4.7	6.3
PPG-TF-170	6.7	7.0	5.7	7.0	5.7	6.0	6.0	6.0	7.7	5.7	7.0	6.7	4.7	6.3
HOT ROD (BURL TF-136)	6.7	6.3	6.0	8.0	5.7	6.0	5.3	6.0	7.3	5.7	7.3	6.3	5.0	6.3
AVENGER II (PPG-TF-156)	6.0	6.3	5.7	7.0	6.3	6.0	6.0	6.0	7.3	5.3	7.7	6.7	5.0	6.3
COMP. RES. SST	7.0	7.0	5.7	6.0	5.0	7.0	6.0	6.7	8.0	5.0	7.0	6.7	4.3	6.3
BLACK TAIL (PPG-TF-150)	6.0	6.0	6.3	7.7	6.0	5.7	6.0	6.0	7.0	5.7	7.7	6.3	5.0	6.3
FIREBIRD 2	7.7	5.7	5.7	7.7	5.0	6.0	6.0	6.0	7.3	5.7	7.7	6.0	4.7	6.2
ROWDY (SRX-TPC)	6.0	6.3	6.7	7.3	5.7	6.0	6.0	6.0	7.7	5.3	6.7	6.7	4.7	6.2
IS-TF 272	7.3	7.3	5.7	7.3	5.3	6.0	6.3	6.3	7.0	5.3	5.7	6.3	5.0	6.2
K12-05	7.0	6.0	5.3	7.7	6.0	6.0	6.0	6.0	7.7	5.7	6.3	6.7	4.7	6.2
RAPTOR III (ZW 44)	6.3	6.0	5.7	8.0	6.7	5.7	6.0	6.0	7.3	5.3	7.3	6.0	4.7	6.2
W41	6.0	5.7	6.0	8.0	6.7	6.0	6.0	6.0	7.0	5.7	7.0	6.3	4.7	6.2
MET 1	6.3	5.3	5.3	8.0	5.3	6.0	6.0	6.0	7.7	5.3	7.3	7.3	5.0	6.2
ATF 1612	6.3	6.0	6.3	7.3	5.7	5.7	6.0	6.0	7.0	5.7	7.0	7.0	4.7	6.2
BIZEM	7.3	6.0	5.7	8.0	5.7	5.3	6.0	6.0	7.7	5.3	6.7	6.0	5.0	6.2
TEMPLE (DZ1)	6.3	6.0	5.3	7.3	6.3	5.7	6.3	6.0	7.3	6.0	7.3	5.7	5.0	6.2
FIREWALL (PSG-WE1)	6.3	6.0	5.7	7.7	5.7	6.0	5.7	6.0	6.7	5.7	7.7	7.0	4.7	6.2
IS-TF 308 SEL	6.3	6.3	5.3	7.3	6.0	5.7	6.0	6.0	7.3	5.7	8.3	5.7	4.7	6.2
RHAMBLER 2 SRP (LSD)	6.7	6.0	5.3	7.3	6.3	6.0	6.0	6.0	7.7	5.7	7.0	5.7	5.0	6.2
F711	7.3	6.3	5.0	7.3	5.0	6.0	5.7	5.7	7.3	5.3	8.0	6.3	5.3	6.2
PICK-W43	6.3	6.0	5.3	8.0	6.0	6.0	5.7	6.0	6.7	5.7	7.0	7.0	5.0	6.2
SCREAMER LS (PPG-TF-148)	6.3	6.3	6.0	7.7	5.3	6.0	5.7	6.0	7.3	5.3	7.3	6.0	5.3	6.2
XTENDER (PPG-TF-139)	6.3	6.3	5.3	7.7	5.7	6.0	6.0	6.0	7.7	5.7	6.7	6.0	5.3	6.2
K12-13	7.7	6.7	6.0	6.3	5.7	6.7	6.7	5.7	7.0	5.3	5.7	6.3	4.7	6.2
HOVER (BURL TF-69)	7.0	6.3	5.0	7.0	6.7	6.0	6.0	6.0	7.0	5.3	6.3	7.0	4.3	6.2
IS-TF 289	7.3	6.0	5.0	8.0	5.7	6.0	6.0	6.0	7.3	6.0	6.3	5.3	5.0	6.2
MET-3	6.3	6.0	6.3	7.3	5.7	5.3	6.0	6.0	7.3	5.7	7.0	6.0	5.0	6.2

TABLE 22: (CONT'D) LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	AR1	CT1	CA3	IA1	IL1	IN1	M01	MS1	NC1	NE1	NJ1	NJ2	OK1	MEAN
PPG-TF-169	6.3	6.0	5.7	7.7	5.7	5.3	5.7	6.0	7.3	6.0	7.0	6.3	5.0	6.2
TECHNIQUE (RZ2)	6.3	6.3	5.0	7.3	6.0	6.0	6.0	6.0	7.0	5.3	7.7	6.3	4.7	6.2
DIABLO (IS-TF 330)	6.0	6.3	5.7	8.0	5.3	6.0	6.0	6.0	7.0	5.7	7.3	5.7	4.7	6.1
TURFWAY (IS-TF 282 M2)	6.3	7.0	5.7	6.7	5.0	5.7	6.3	6.0	7.3	5.7	7.0	5.7	5.3	6.1
IS-TF 307 SEL	6.7	6.0	4.7	7.3	5.3	6.0	6.0	6.0	7.3	5.7	7.3	6.0	5.3	6.1
IS-TF 311	6.3	6.3	5.7	7.3	6.0	5.3	6.0	6.0	6.7	5.7	7.3	6.0	5.0	6.1
PPG-TF-172	6.0	6.0	5.0	7.7	5.7	5.7	6.0	6.0	7.7	5.7	7.0	6.3	5.0	6.1
MARAUDER	7.7	7.0	5.0	6.3	4.7	6.7	6.3	6.0	7.7	5.3	5.7	6.3	4.7	6.1
PSG-PO1	6.7	5.3	5.7	7.3	6.0	6.0	5.7	6.0	7.3	5.3	7.0	6.7	4.3	6.1
ROCKWELL (LTP-TWUU)	6.0	6.3	4.7	7.3	6.0	5.7	6.0	6.0	7.3	5.3	7.3	6.7	4.7	6.1
FIRECRACKER SLS (PPG-TF-105)	6.0	6.3	5.3	7.3	6.3	6.0	6.0	6.0	7.7	5.7	6.0	6.0	4.7	6.1
IS-TF 310 SEL	6.3	7.0	5.3	7.0	4.0	6.0	5.7	6.0	8.0	5.3	7.0	6.7	5.0	6.1
JS 916	6.0	6.3	5.3	7.7	5.0	6.0	6.0	6.0	7.0	5.3	7.3	6.3	5.0	6.1
ARES (PPG-TF-142)	6.7	7.3	5.3	7.3	5.3	6.3	5.7	6.3	7.0	5.7	5.7	5.3	5.3	6.1
FAITH	6.3	5.3	6.3	7.7	6.3	6.0	6.3	6.0	7.0	5.0	6.0	6.0	4.7	6.1
GTO (BURL TF-2)	6.3	5.3	6.0	8.0	5.3	5.3	6.0	6.0	7.3	6.0	6.3	6.3	4.7	6.1
REFLECTION (U45)	6.3	5.7	5.0	8.0	5.7	6.0	5.7	6.0	7.7	5.3	6.7	6.3	4.7	6.1
MAESTRO (T31)	6.3	6.0	5.3	8.0	6.3	5.3	5.3	6.0	7.3	6.0	6.7	5.3	4.7	6.1
ATF 1704	6.0	6.0	5.3	7.0	5.0	5.0	6.0	6.0	7.3	6.0	8.0	6.3	4.7	6.1
IS-TF 269 SEL	6.7	5.7	5.0	7.3	5.7	5.7	5.7	6.0	7.3	5.7	6.7	6.3	5.0	6.1
IS-TF 305 SEL	6.3	6.0	6.0	7.0	5.3	6.0	5.7	6.0	7.3	5.7	7.3	5.0	5.0	6.1
K12-MCD	6.7	6.3	5.7	6.7	5.3	6.0	6.0	6.0	7.0	6.0	5.7	6.0	5.0	6.0
THOR (PPG-TF-157)	6.7	7.0	4.7	7.3	5.0	6.0	5.7	6.0	7.0	5.3	7.0	5.7	5.0	6.0
CATALYST	6.3	6.0	5.3	7.7	5.7	5.3	6.0	6.0	7.3	6.0	6.3	6.0	4.3	6.0
PST-5EV2	6.3	5.7	5.0	7.7	5.3	5.0	6.0	6.0	7.3	6.0	7.0	6.0	4.7	6.0
PPG-TF-138	6.3	5.7	5.7	7.3	6.7	6.0	5.0	6.0	7.0	5.7	6.3	5.3	5.0	6.0
FOXHOUND (IS-TF 284 M2)	7.0	6.0	5.0	7.0	5.3	5.7	6.0	6.0	7.3	5.3	6.0	6.0	5.0	6.0
DYNAMITE LS (PPG-TF-145)	6.3	6.0	5.0	7.3	6.0	6.0	6.0	6.0	7.7	5.7	5.7	5.0	5.0	6.0
GRANDE 3	6.3	5.3	6.0	7.0	5.3	5.0	5.3	6.0	7.0	6.0	7.7	6.3	4.3	6.0
FALCON V	6.3	5.7	5.3	7.3	5.7	5.7	6.0	6.0	7.3	5.7	6.0	6.0	4.3	5.9
FESNOVA	6.7	6.3	6.0	7.3	4.3	5.7	5.3	6.0	7.3	5.7	6.3	5.3	5.0	5.9
GO-DFR	6.7	5.7	5.0	6.7	5.3	6.0	6.0	6.0	7.3	5.3	6.0	6.3	5.0	5.9
MICHELANGELO (LTP-F5DPDR)	6.7	5.7	5.7	7.0	5.7	6.0	6.3	6.0	7.0	5.7	6.3	5.0	4.3	5.9
RAD-TF-83	6.7	5.3	5.3	7.0	5.7	6.0	5.7	6.0	7.0	6.0	5.7	7.0	4.0	5.9
PPG-TF-151	6.3	6.0	5.0	7.7	4.7	6.0	6.0	6.0	7.7	5.3	6.0	5.7	4.7	5.9
KINGDOM (DB1)	7.0	6.0	5.3	7.0	6.0	6.0	6.0	6.0	6.7	5.0	6.0	5.3	4.7	5.9
BULLSEYE	6.0	6.7	4.7	7.7	5.0	6.0	6.0	6.0	6.7	5.3	6.7	5.3	4.7	5.9
THUNDERSTRUCK (TD1)	6.3	5.3	5.7	7.3	5.7	5.7	6.0	6.0	7.3	5.0	5.3	6.7	4.3	5.9
ANNIHILATOR	7.7	6.7	5.0	6.0	4.0	6.0	6.3	6.0	8.0	5.3	5.7	4.7	5.0	5.9
CAESAR (TY 10)	6.3	5.3	5.7	6.7	4.7	6.0	6.0	6.0	7.3	5.7	5.7	6.3	4.7	5.9
MET 6 SEL	6.7	5.3	5.3	7.0	4.3	5.3	6.3	6.0	7.0	5.3	7.3	5.7	4.7	5.9
PST-5DZP	6.3	6.3	4.7	7.0	4.7	5.7	6.0	6.0	7.0	5.7	6.3	5.3	5.3	5.9

TABLE 22: (CONT'D) LEAF TEXTURE RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/													MEAN
	AR1	CT1	CA3	IA1	IL1	IN1	M01	MS1	NC1	NE1	NJ1	NJ2	OK1	
WARHAWK	6.7	6.7	5.3	6.0	4.0	6.0	6.0	6.0	7.3	5.7	5.7	5.0	5.7	5.8
IS-TF 285	6.3	6.0	4.7	6.3	5.3	6.0	6.0	6.0	7.0	5.0	6.3	6.0	5.0	5.8
IS-TF-287	6.3	6.3	5.3	7.0	5.0	6.0	5.0	6.0	6.3	5.3	6.3	6.0	5.0	5.8
JS 809	6.3	6.0	5.7	6.3	5.0	5.7	6.0	6.0	7.3	5.7	5.3	5.7	5.0	5.8
TEMPTATION (OR-21)	6.3	6.3	5.3	6.7	4.7	5.3	5.7	6.0	7.0	6.0	5.7	5.3	5.0	5.8
PPG-TF-115	6.3	5.7	5.0	7.3	5.0	6.0	5.7	6.0	6.7	6.0	5.0	5.7	4.7	5.8
LEONARDO (LTP-FSD)	6.3	6.0	5.0	7.3	4.0	5.3	5.7	6.0	7.0	5.7	5.7	6.3	4.3	5.7
PST-5MVD	6.3	6.0	5.7	7.3	5.0	5.7	6.0	6.0	6.3	5.7	5.0	5.3	4.3	5.7
ATF 1754	6.3	5.0	4.0	7.3	5.3	5.0	5.7	6.0	7.3	5.7	6.3	5.7	4.7	5.7
ATF 1736	6.0	5.0	5.3	7.0	5.0	5.7	6.3	6.0	7.0	5.3	6.0	5.3	4.3	5.7
SALTILLO (PST-5SALT)	6.3	6.3	5.0	7.0	4.7	5.7	5.7	6.0	6.3	5.7	5.7	5.0	4.7	5.7
TERRANO	6.7	5.0	5.3	7.0	5.3	5.7	5.0	6.0	7.0	5.7	5.7	5.3	4.3	5.7
IS-TF 276 M2	6.3	5.7	6.0	7.0	4.3	5.7	5.7	6.0	7.0	5.3	5.0	5.0	4.7	5.7
PSG-GSD	6.3	6.0	5.7	7.0	5.3	6.0	5.3	5.7	7.3	5.3	4.7	5.0	4.0	5.7
BAR FA 121095	6.3	6.0	5.0	6.0	4.7	5.7	6.0	6.0	7.3	6.0	5.3	5.3	4.0	5.7
FRONTLINE (EXP TF-09)	6.3	5.0	6.0	7.0	5.3	6.0	5.7	6.0	6.7	5.3	4.7	5.3	4.0	5.6
JS 819	6.0	6.3	5.7	6.3	5.7	5.3	5.7	6.0	6.3	5.7	4.3	5.7	4.3	5.6
JS 818	6.3	5.7	5.7	6.0	5.3	6.0	6.0	6.0	6.7	5.7	5.0	4.7	4.0	5.6
PSG-8BP2	6.3	5.3	5.7	7.0	5.3	5.3	5.3	5.7	7.0	5.7	4.7	4.7	5.0	5.6
SWAGGER (PST-5R05)	6.3	5.3	5.0	7.0	5.3	5.3	6.0	6.0	6.0	6.0	5.7	4.3	4.3	5.6
PST-5BPO	6.0	5.0	5.0	7.0	5.0	4.7	5.3	6.0	7.3	6.0	5.0	5.0	4.7	5.5
FALCON IV	6.0	5.0	5.0	7.0	5.3	5.3	5.3	6.0	7.0	6.0	4.7	4.7	4.3	5.5
PSG-TT4	6.0	5.3	5.3	7.0	3.7	5.3	5.7	6.0	7.0	6.0	4.7	5.3	4.3	5.5
PST-5BRK	6.3	6.3	5.0	7.0	4.3	5.0	5.7	6.0	6.7	6.0	4.0	4.7	4.0	5.5
AQUADUCT	6.3	6.0	5.0	6.0	4.0	5.0	6.0	5.7	7.3	5.7	4.3	4.3	4.3	5.4
BAR FA 121089	6.3	5.7	4.7	7.0	4.3	5.7	5.3	6.0	6.0	6.0	4.0	4.3	4.0	5.3
RAIN DANCE (PST-5SDT)	6.0	5.0	4.7	6.3	4.3	4.7	5.3	6.0	6.7	6.0	5.3	4.0	4.7	5.3
PST-5EX2	6.3	4.7	5.3	6.7	5.0	4.7	5.7	5.7	6.3	6.0	4.3	2.7	5.0	5.3
INSPIRATION (PST-R5NW)	6.0	4.7	5.3	7.0	4.3	4.7	5.0	6.0	6.0	6.0	3.3	4.0	4.3	5.1
BAR FA 121091	6.3	5.7	4.3	6.0	4.0	5.3	5.3	6.7	5.7	3.7	4.0	4.3	4.3	5.1
JS 825	6.3	5.3	4.0	6.0	4.3	5.3	4.7	6.0	6.3	6.0	3.7	4.0	4.3	5.1
BAR FA 120878	5.7	4.0	5.3	5.7	3.0	4.0	5.0	5.0	5.3	6.0	2.3	1.3	4.0	4.4
KY-31	5.0	3.0	5.3	4.0	2.0	3.0	3.0	4.0	5.0	7.0	1.3	1.0	3.0	3.6
LSD VALUE	0.9	1.2	1.1	0.8	1.2	0.6	0.8	0.3	0.9	0.8	1.3	1.2	0.8	0.3
C.V. (%)	8.9	12.1	13.0	7.2	14.4	6.9	8.1	3.2	7.6	8.8	12.4	12.6	10.6	9.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 23.

SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	CA3	NC1	MEAN	NAME	CA3	NC1	MEAN
PPG-TF-135	7.3	8.0	7.7	PST-5DZP	6.0	7.7	6.8
IS-TF 272	6.7	8.0	7.3	RAD-TF-88	5.7	8.0	6.8
IS-TF 311	6.7	8.0	7.3	TERRANO	6.0	7.7	6.8
PSG-P01	6.7	8.0	7.3	4TH MILLENNIUM SRP (U43)	6.3	7.3	6.8
RAD-TF-89	6.7	8.0	7.3	ANNIHILATOR	6.3	7.3	6.8
REGENERATE	6.7	8.0	7.3	TEMPLE (DZ1)	6.3	7.3	6.8
ROWDY (SRX-TPC)	6.7	8.0	7.3	K12-MCD	6.3	7.3	6.8
FESNOVA	6.7	7.7	7.2	AVENGER II (PPG-TF-156)	5.7	7.7	6.7
ATF 1612	6.3	8.0	7.2	CATALYST	5.7	7.7	6.7
MAESTRO (T31)	6.3	8.0	7.2	GTO (BURL TF-2)	5.7	7.7	6.7
RAPTOR III (ZW 44)	6.3	8.0	7.2	HEMI	5.7	7.7	6.7
TRAVERSE 2 SRP (W45)	6.3	8.0	7.2	MARAUDER	5.7	7.7	6.7
B23	6.0	8.0	7.0	MET 6 SEL	5.7	7.7	6.7
CCR2	6.0	8.0	7.0	PPG-TF-151	5.7	7.7	6.7
FAITH	6.3	7.7	7.0	REFLECTION (U45)	5.7	7.7	6.7
FIREWALL (PSG-WE1)	6.3	7.7	7.0	TEMPTATION (OR-21)	5.7	7.7	6.7
IS-TF 308 SEL	6.0	8.0	7.0	TITANIUM 2LS (PPG-TF-152)	5.7	7.7	6.7
PICK-W43	6.0	8.0	7.0	W41	5.7	7.7	6.7
PPG-TF-137	6.3	7.7	7.0	ARES (PPG-TF-142)	6.0	7.3	6.7
PPG-TF-169	6.3	7.7	7.0	ATF 1704	5.3	8.0	6.7
PST-5BPO	6.3	7.7	7.0	BLACK TAIL (PPG-TF-150)	5.3	8.0	6.7
RAD-TF-92	6.0	8.0	7.0	FAYETTE (IS-TF 291)	5.3	8.0	6.7
RHAMBLER 2 SRP (LSD)	6.0	8.0	7.0	FIREBIRD 2	5.3	8.0	6.7
TECHNIQUE (RZ2)	6.0	8.0	7.0	FRONTLINE (EXP TF-09)	6.3	7.0	6.7
204 RES. BLK4	6.0	7.7	6.8	IS-TF 307 SEL	5.3	8.0	6.7
ATF 1736	6.0	7.7	6.8	JS 809	6.0	7.3	6.7
BIZEM	5.7	8.0	6.8	JS 819	6.0	7.3	6.7
CAESAR (TY 10)	6.0	7.7	6.8	K12-05	5.3	8.0	6.7
DIABLO (IS-TF 330)	5.7	8.0	6.8	MET 1	5.3	8.0	6.7
DYNAMITE LS (PPG-TF-145)	6.0	7.7	6.8	PST-5MVD	6.0	7.3	6.7
F711	5.7	8.0	6.8	THOR (PPG-TF-157)	5.3	8.0	6.7
HOT ROD (BURL TF-136)	5.7	8.0	6.8	COMP. RES. SST	5.7	7.3	6.5
IS-TF 289	6.0	7.7	6.8	FALCON IV	5.3	7.7	6.5
IS-TF 310 SEL	5.7	8.0	6.8	FALCON V	5.7	7.3	6.5
IS-TF-287	5.7	8.0	6.8	GO-DFR	6.0	7.0	6.5
JS 916	6.0	7.7	6.8	IS-TF 269 SEL	5.3	7.7	6.5
KINGDOM (DB1)	6.0	7.7	6.8	JS 818	5.7	7.3	6.5
MET-3	5.7	8.0	6.8	K12-13	5.7	7.3	6.5
PPG-TF-115	6.0	7.7	6.8	PPG-TF-172	5.0	8.0	6.5
PPG-TF-138	5.7	8.0	6.8	RAIN DANCE (PST-5SDT)	5.3	7.7	6.5
PPG-TF-170	6.0	7.7	6.8	SALTILLO (PST-5SALT)	5.3	7.7	6.5
				SCREAMER LS (PPG-TF-148)	5.3	7.7	6.5

TABLE 23. SPRING DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	CA3	NC1	MEAN
SWAGGER (PST-5R05)	5.7	7.3	6.5
THUNDERSTRUCK (TD1)	5.7	7.3	6.5
TURFWAY (IS-TF 282 M2)	5.7	7.3	6.5
XTENDER (PPG-TF-139)	5.3	7.7	6.5
FIRECRACKER SLS (PPG-TF-105)	5.0	7.7	6.3
FOXHOUND (IS-TF 284 M2)	6.0	6.7	6.3
LEONARDO (LTP-FSD)	5.0	7.7	6.3
MERIDIAN (PST-5GRB)	4.7	8.0	6.3
PSG-8BP2	6.0	6.7	6.3
PST-5EX2	5.7	7.0	6.3
ROCKWELL (LTP-TWUU)	5.0	7.7	6.3
BULLSEYE	5.3	7.3	6.3
GRANDE 3	5.3	7.3	6.3
IS-TF 305 SEL	5.3	7.3	6.3
RAD-TF-83	5.3	7.3	6.3
WARHAWK	5.3	7.3	6.3
AQUADUCT	5.7	6.7	6.2
ATF 1754	4.7	7.7	6.2
BAR FA 121091	4.7	7.7	6.2
HOVER (BURL TF-69)	4.7	7.7	6.2
IS-TF 285	4.7	7.7	6.2
PST-5BRK	5.7	6.7	6.2
BAR FA 121095	5.0	7.3	6.2
MICHELANGELO (LTP-F5DPDR)	5.0	7.3	6.2
PSG-TT4	5.0	7.3	6.2
PST-5EV2	5.0	7.3	6.2
INSPIRATION (PST-R5NW)	5.3	6.7	6.0
IS-TF 276 M2	4.3	7.7	6.0
BAR FA 121089	4.7	7.0	5.8
PSG-GSD	5.0	6.7	5.8
JS 825	4.7	6.7	5.7
BAR FA 120878	5.7	5.3	5.5
KY-31	5.0	5.0	5.0
LSD VALUE	1.4	0.8	0.8
C.V. (%)	14.7	6.8	10.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 24: SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AR1	CA3	IN1	NC1	MEAN
PPG-TF-137	7.3	6.7	7.7	8.0	7.4
MET 6 SEL	6.7	7.0	7.7	8.0	7.3
REGENERATE	7.0	7.3	7.0	8.0	7.3
B23	7.3	7.7	6.3	7.7	7.3
HEMI	7.0	7.3	6.7	8.0	7.3
MERIDIAN (PST-5GRB)	8.0	6.0	7.3	7.7	7.3
IS-TF 272	7.7	7.0	6.3	7.7	7.2
IS-TF 307 SEL	7.0	6.7	7.3	7.7	7.2
RAD-TF-92	7.7	6.7	6.3	8.0	7.2
REFLECTION (U45)	7.0	7.0	7.0	7.7	7.2
ROWDY (SRX-TPC)	7.0	7.3	6.7	7.7	7.2
IS-TF 308 SEL	6.7	6.7	7.3	7.7	7.1
MET 1	7.0	6.0	7.7	7.7	7.1
MET-3	7.0	7.0	6.7	7.7	7.1
PPG-TF-135	6.7	7.0	7.0	7.7	7.1
BIZEM	7.3	7.3	6.0	7.7	7.1
FIREBIRD 2	7.7	6.3	6.3	8.0	7.1
JS 916	7.0	7.0	6.3	8.0	7.1
KINGDOM (DB1)	7.3	7.3	5.7	8.0	7.1
FIREWALL (PSG-WE1)	7.0	6.7	6.7	7.7	7.0
BLACK TAIL (PPG-TF-150)	6.7	6.3	7.0	8.0	7.0
CCR2	6.7	6.7	7.3	7.3	7.0
DIABLO (IS-TF 330)	6.7	7.0	6.3	8.0	7.0
HOT ROD (BURL TF-136)	7.3	6.3	6.3	8.0	7.0
IS-TF 311	7.0	6.0	7.0	8.0	7.0
PSG-P01	7.3	6.7	6.0	8.0	7.0
PST-5BRK	7.0	7.3	6.0	7.7	7.0
RAD-TF-89	7.3	6.7	6.3	7.7	7.0
RHAMBLER 2 SRP (LSD)	7.0	6.3	7.0	7.7	7.0
TECHNIQUE (RZ2)	6.7	6.7	6.7	8.0	7.0
THOR (PPG-TF-157)	7.0	6.3	6.7	8.0	7.0
CATALYST	6.7	6.3	6.7	8.0	6.9
FAYETTE (IS-TF 291)	7.0	6.7	6.3	7.7	6.9
GTO (BURL TF-2)	6.7	7.3	6.0	7.7	6.9
IS-TF 289	7.0	6.3	6.7	7.7	6.9
MICHELANGELO (LTP-F5DPDR)	7.0	6.3	6.7	7.7	6.9
PPG-TF-138	7.0	6.7	6.0	8.0	6.9
PPG-TF-169	7.0	6.7	6.3	7.7	6.9
PPG-TF-172	6.7	6.0	7.0	8.0	6.9
PST-5MVD	6.7	6.3	6.7	8.0	6.9
RAPTOR III (ZW 44)	7.0	6.3	6.7	7.7	6.9

TABLE 24. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AR1	CA3	IN1	NC1	MEAN
ROCKWELL (LTP-TWUU)	7.0	6.7	6.3	7.7	6.9
TRAVERSE 2 SRP (W45)	7.0	6.0	6.7	8.0	6.9
W41	7.0	6.3	6.7	7.7	6.9
PPG-TF-170	7.0	6.3	7.0	7.3	6.9
FALCON IV	7.0	7.7	5.7	7.0	6.8
FESNOVA	7.0	6.7	6.7	7.0	6.8
FOXHOUND (IS-TF 284 M2)	7.0	6.7	6.0	7.7	6.8
IS-TF 285	7.3	5.7	6.7	7.7	6.8
PST-5BPO	6.7	7.0	6.0	7.7	6.8
ATF 1612	6.7	6.3	6.3	8.0	6.8
TEMPLE (DZ1)	7.3	6.7	6.0	7.3	6.8
F711	7.3	6.3	6.0	7.7	6.8
FAITH	6.7	7.0	6.3	7.3	6.8
GRANDE 3	7.0	6.3	6.0	8.0	6.8
HOVER (BURL TF-69)	7.0	6.3	6.0	8.0	6.8
IS-TF 310 SEL	7.3	5.3	6.7	8.0	6.8
TURFWAY (IS-TF 282 M2)	7.0	6.0	6.3	8.0	6.8
4TH MILLENNIUM SRP (U43)	7.0	6.0	6.3	7.7	6.8
ARES (PPG-TF-142)	7.3	6.0	6.0	7.7	6.8
ATF 1704	6.7	6.3	6.0	8.0	6.8
AVENGER II (PPG-TF-156)	6.7	5.3	7.0	8.0	6.8
FALCON V	6.7	7.0	6.0	7.3	6.8
FIRECRACKER SLS (PPG-TF-105)	6.7	6.0	6.3	8.0	6.8
K12-13	7.7	6.0	6.0	7.3	6.8
RAD-TF-88	7.0	6.0	6.0	8.0	6.8
SALTILLO (PST-5SALT)	7.0	7.0	5.7	7.3	6.8
TERRANO	7.0	6.3	6.0	7.7	6.8
TITANIUM 2LS (PPG-TF-152)	6.7	6.0	6.3	8.0	6.8
IS-TF 269 SEL	7.0	6.3	6.3	7.3	6.8
ATF 1754	6.3	5.3	7.3	7.7	6.7
BAR FA 121095	6.7	6.3	6.0	7.7	6.7
PPG-TF-115	6.7	7.0	6.3	6.7	6.7
PPG-TF-151	6.7	5.7	6.7	7.7	6.7
PST-5EV2	6.7	6.0	6.3	7.7	6.7
IS-TF-287	6.7	6.3	6.3	7.3	6.7
K12-MCD	7.0	7.0	5.3	7.3	6.7
PICK-W43	7.0	5.3	6.3	8.0	6.7
SCREAMER LS (PPG-TF-148)	6.7	6.3	6.3	7.3	6.7
DYNAMITE LS (PPG-TF-145)	7.3	5.7	5.7	7.7	6.6
GO-DFR	7.0	6.7	5.0	7.7	6.6
IS-TF 305 SEL	7.0	6.0	5.7	7.7	6.6
MAESTRO (T31)	6.7	6.0	6.7	7.0	6.6

TABLE 24. SUMMER DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AR1	CA3	IN1	NC1	MEAN
RAD-TF-83	7.7	6.0	5.7	7.0	6.6
XTENDER (PPG-TF-139)	6.7	5.7	6.3	7.7	6.6
THUNDERSTRUCK (TD1)	7.0	6.0	6.0	7.3	6.6
CAESAR (TY 10)	6.7	6.7	5.3	7.3	6.5
PST-5DZP	6.7	6.0	6.0	7.3	6.5
PST-5EX2	7.0	6.3	5.7	7.0	6.5
204 RES. BLK4	7.0	6.7	4.7	7.3	6.4
BAR FA 121091	6.7	6.0	5.3	7.7	6.4
JS 809	6.7	6.0	5.7	7.3	6.4
K12-05	7.3	5.7	5.0	7.7	6.4
ATF 1736	6.7	5.7	6.3	6.7	6.3
COMP. RES. SST	7.0	6.0	4.7	7.7	6.3
INSPIRATION (PST-R5NW)	6.3	6.7	5.7	6.7	6.3
PSG-8BP2	6.7	6.0	6.0	6.7	6.3
PSG-GSD	7.0	5.7	5.7	7.0	6.3
SWAGGER (PST-5R05)	6.7	6.7	5.0	7.0	6.3
AQUADUCT	6.7	5.7	5.7	7.3	6.3
BULLSEYE	7.0	5.7	6.3	6.3	6.3
LEONARDO (LTP-FSD)	6.7	5.0	6.3	7.3	6.3
RAIN DANCE (PST-5SDT)	6.3	6.3	5.3	7.3	6.3
WARHAWK	6.7	6.3	5.0	7.3	6.3
MARAUDER	7.0	5.7	4.7	7.7	6.3
ANNIHILATOR	7.3	5.7	5.0	7.0	6.3
IS-TF 276 M2	7.0	6.0	5.3	6.7	6.3
JS 818	6.7	6.0	5.0	7.3	6.3
JS 819	6.7	5.7	5.7	7.0	6.3
TEMPTATION (OR-21)	6.7	6.0	5.3	7.0	6.3
FRONTLINE (EXP TF-09)	7.0	5.7	5.3	6.7	6.2
JS 825	6.3	5.7	5.3	7.0	6.1
PSG-TT4	6.3	5.7	5.0	7.3	6.1
BAR FA 121089	6.3	5.7	5.0	6.7	5.9
BAR FA 120878	6.0	7.0	4.7	5.7	5.8
KY-31	5.3	4.0	4.0	4.3	4.4
LSD VALUE	0.8	1.3	1.2	0.8	0.5
C.V. (%)	7.3	12.5	12.2	6.8	9.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 25. Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP
 FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
 2014 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	CA3	NC1	OK1	MEAN	NAME	CA3	NC1	OK1	MEAN
DIABLO (IS-TF 330)	7.3	8.0	5.7	7.0	PST-5BPO	6.7	7.7	5.0	6.4
HOT ROD (BURL TF-136)	7.0	8.0	6.0	7.0	ATF 1612	6.3	8.0	5.0	6.4
MET 6 SEL	7.0	8.0	6.0	7.0	BIZEM	6.3	8.0	5.0	6.4
PPG-TF-137	7.0	8.0	6.0	7.0	TEMPLE (DZ1)	6.0	8.0	5.3	6.4
PST-5EV2	6.7	8.0	6.3	7.0	FOXHOUD (IS-TF 284 M2)	6.3	7.7	5.3	6.4
AVENGER II (PPG-TF-156)	6.3	8.0	6.3	6.9	MERIDIAN (PST-5GRB)	6.0	8.0	5.3	6.4
HEMI	7.3	8.0	5.3	6.9	PST-5DZP	6.7	7.3	5.3	6.4
IS-TF-287	7.3	7.3	6.0	6.9	REFLECTION (U45)	6.3	7.7	5.3	6.4
BLACK TAIL (PPG-TF-150)	6.7	8.0	5.7	6.8	SWAGGER (PST-5R05)	7.3	7.3	4.7	6.4
CCR2	6.7	8.0	5.7	6.8	TEMPTATION (OR-21)	6.7	7.3	5.3	6.4
PPG-TF-170	7.0	7.7	5.7	6.8	ATF 1736	6.7	7.0	5.3	6.3
TERRANO	7.0	7.7	5.7	6.8	CATALYST	6.3	7.7	5.0	6.3
PPG-TF-135	7.0	8.0	5.3	6.8	FAITH	6.3	7.3	5.3	6.3
F711	6.7	8.0	5.3	6.7	GRANDE 3	5.7	7.7	5.7	6.3
FALCON V	6.7	8.0	5.3	6.7	IS-TF 289	7.0	7.7	4.3	6.3
FIREBIRD 2	6.3	8.0	5.7	6.7	K12-MCD	6.0	7.7	5.3	6.3
GTO (BURL TF-2)	6.7	8.0	5.3	6.7	MICHELANGELO (LTP-F5DPDR)	6.3	7.7	5.0	6.3
IS-TF 272	7.0	7.7	5.3	6.7	PPG-TF-151	6.3	8.0	4.7	6.3
IS-TF 307 SEL	6.0	7.7	6.3	6.7	PSG-P01	5.7	8.0	5.3	6.3
IS-TF 308 SEL	7.0	7.7	5.3	6.7	RAD-TF-88	6.7	8.0	4.3	6.3
IS-TF 311	6.3	8.0	5.7	6.7	DYNAMITE LS (PPG-TF-145)	6.7	7.7	4.3	6.2
PPG-TF-138	6.0	8.0	6.0	6.7	FAYETTE (IS-TF 291)	6.3	7.7	4.7	6.2
PPG-TF-169	7.0	8.0	5.0	6.7	FESNOVA	7.0	7.0	4.7	6.2
REGENERATE	7.0	8.0	5.0	6.7	FIRECRACKER SLS (PPG-TF-105)	5.7	8.0	5.0	6.2
RHAMBLER 2 SRP (LSD)	6.7	8.0	5.3	6.7	FIREWALL (PSG-WE1)	6.3	7.7	4.7	6.2
ROWDY (SRX-TPC)	6.7	8.0	5.3	6.7	GO-DFR	6.0	7.7	5.0	6.2
TITANIUM 2LS (PPG-TF-152)	6.7	8.0	5.3	6.7	JS 916	6.0	8.0	4.7	6.2
TRAVERSE 2 SRP (W45)	6.0	8.0	6.0	6.7	K12-05	6.0	7.7	5.0	6.2
B23	6.3	7.7	5.7	6.6	LEONARDO (LTP-FSD)	6.0	7.7	5.0	6.2
RAD-TF-89	6.3	7.7	5.7	6.6	MET-3	5.7	8.0	5.0	6.2
RAPTOR III (ZW 44)	7.0	7.7	5.0	6.6	RAD-TF-92	5.7	8.0	5.0	6.2
SCREAMER LS (PPG-TF-148)	6.7	8.0	5.0	6.6	ROCKWELL (LTP-TWUU)	6.0	8.0	4.7	6.2
TECHNIQUE (RZ2)	6.0	8.0	5.7	6.6	MAESTRO (T31)	6.3	7.0	5.3	6.2
W41	7.0	8.0	4.7	6.6	PST-5BRK	6.3	7.3	5.0	6.2
XTENDER (PPG-TF-139)	6.0	7.7	6.0	6.6	PST-5EX2	6.3	7.3	5.0	6.2
THOR (PPG-TF-157)	6.3	8.0	5.3	6.6	RAIN DANCE (PST-5SDT)	6.3	7.3	5.0	6.2
4TH MILLENNIUM SRP (U43)	6.7	7.7	5.0	6.4	CAESAR (TY 10)	6.7	7.0	4.7	6.1
ATF 1704	6.7	8.0	4.7	6.4	IS-TF 269 SEL	6.0	7.7	4.7	6.1
HOVER (BURL TF-69)	6.7	8.0	4.7	6.4	IS-TF 276 M2	5.7	7.7	5.0	6.1
IS-TF 310 SEL	6.0	7.7	5.7	6.4	PST-5MVD	6.0	7.7	4.7	6.1
PPG-TF-172	5.7	8.0	5.7	6.4	ARES (PPG-TF-142)	5.7	7.3	5.3	6.1
					BAR FA 121095	6.7	7.3	4.3	6.1

TABLE 25. FALL DENSITY RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	CA3	NC1	OK1	MEAN
IS-TF 305 SEL	6.0	7.3	5.0	6.1
PICK-W43	5.3	8.0	5.0	6.1
PPG-TF-115	6.3	7.3	4.7	6.1
TURFWAY (IS-TF 282 M2)	5.3	8.0	5.0	6.1
BULLSEYE	6.3	6.7	5.0	6.0
FALCON IV	7.0	6.7	4.3	6.0
FRONTLINE (EXP TF-09)	7.0	6.7	4.3	6.0
INSPIRATION (PST-R5NW)	6.7	7.0	4.3	6.0
JS 818	6.0	7.7	4.3	6.0
MET 1	5.3	8.0	4.7	6.0
PSG-TT4	6.3	7.7	4.0	6.0
WARHAWK	6.0	7.3	4.7	6.0
MARAUDER	6.0	7.7	4.0	5.9
KINGDOM (DB1)	5.7	7.7	4.0	5.8
THUNDERSTRUCK (TD1)	5.7	7.7	4.0	5.8
IS-TF 285	5.3	7.7	4.3	5.8
K12-13	6.0	7.3	4.0	5.8
PSG-8BP2	6.0	6.3	5.0	5.8
RAD-TF-83	6.3	7.0	4.0	5.8
SALTILLO (PST-5SALT)	5.7	7.3	4.3	5.8
AQUADUCT	5.3	7.0	4.7	5.7
ATF 1754	5.0	7.7	4.3	5.7
JS 819	5.0	7.0	5.0	5.7
PSG-GSD	6.0	7.0	4.0	5.7
ANNIHILATOR	5.7	7.0	4.0	5.6
COMP. RES. SST	5.7	7.3	3.7	5.6
BAR FA 121089	5.3	7.3	4.0	5.6
JS 825	5.3	7.3	4.0	5.6
JS 809	5.0	7.3	4.0	5.4
BAR FA 121091	4.7	7.3	4.0	5.3
204 RES. BLK4	5.0	7.0	3.7	5.2
BAR FA 120878	5.3	6.0	4.0	5.1
KY-31	4.7	4.3	3.7	4.2
LSD VALUE	1.7	0.7	1.2	0.7
C.V. (%)	17.1	6.0	15.2	12.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 26. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AR1	CA3	NC1	OK1	MEAN
RAPTOR III (ZW 44)	88.3	81.7	95.0	96.0	90.3
TECHNIQUE (RZ2)	87.7	76.7	98.7	97.3	90.1
MET-3	89.0	76.7	99.0	94.3	89.8
PST-5BRK	87.0	80.0	94.3	96.3	89.4
TERRANO	82.7	80.0	97.3	97.0	89.3
4TH MILLENNIUM SRP (U43)	88.0	80.0	97.7	90.0	88.9
PPG-TF-169	79.7	86.7	95.7	93.7	88.9
PST-5BPO	83.7	76.7	96.3	98.3	88.8
BIZEM	85.3	76.7	98.0	94.7	88.7
CCR2	88.7	73.3	94.7	98.0	88.7
PST-5MVD	82.0	80.0	97.3	95.3	88.7
PPG-TF-137	89.3	76.7	92.7	95.3	88.5
TITANIUM 2LS (PPG-TF-152)	82.0	76.7	99.0	94.3	88.0
PPG-TF-170	82.7	80.0	94.3	94.3	87.8
PPG-TF-172	84.3	73.3	97.3	96.3	87.8
TRAVERSE 2 SRP (W45)	87.3	73.3	96.0	94.3	87.8
FIRECRACKER SLS (PPG-TF-105)	85.3	76.7	96.0	92.7	87.7
IS-TF 310 SEL	82.0	80.0	90.0	98.7	87.7
MICHELANGELO (LTP-F5DPDR)	83.3	70.0	98.7	98.3	87.6
PPG-TF-135	82.3	80.0	96.3	91.7	87.6
GTO (BURL TF-2)	83.7	73.3	99.0	93.7	87.4
PPG-TF-151	87.3	70.0	94.3	98.0	87.4
MET 6 SEL	89.0	73.3	95.7	90.0	87.0
ATF 1736	88.3	70.0	94.3	94.3	86.8
PST-5EX2	83.3	70.0	96.3	97.3	86.8
REFLECTION (U45)	89.0	73.3	89.3	94.3	86.5
FESNOVA	83.0	76.7	93.0	93.0	86.4
ROWDY (SRX-TPC)	83.7	75.0	93.3	93.7	86.4
FAITH	85.0	73.3	97.3	90.0	86.4
ATF 1704	80.7	70.0	99.0	95.7	86.3
PICK-W43	86.7	66.7	97.3	94.7	86.3
PSG-GSD	82.7	73.3	93.0	96.3	86.3
LEONARDO (LTP-FSD)	87.3	63.3	98.7	95.7	86.3
PSG-P01	81.7	73.3	95.3	94.3	86.2
IS-TF 307 SEL	77.0	76.7	95.3	95.3	86.1
THOR (PPG-TF-157)	87.0	66.7	93.3	97.0	86.0
BLACK TAIL (PPG-TF-150)	83.0	75.0	94.0	91.7	85.9
IS-TF-287	82.3	73.3	91.7	96.3	85.9
MERIDIAN (PST-5GRB)	83.3	66.7	97.3	96.3	85.9
PST-5EV2	82.0	73.3	91.7	96.3	85.8
K12-MCD	76.7	73.3	97.3	95.7	85.8
MAESTRO (T31)	83.0	73.3	91.0	95.7	85.8

TABLE 26. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AR1	CA3	NC1	OK1	MEAN
PPG-TF-115	82.3	73.3	89.3	98.0	85.8
ATF 1612	85.3	66.7	93.0	97.7	85.7
F711	88.3	70.0	97.7	86.7	85.7
IS-TF 311	85.3	70.0	94.7	92.7	85.7
GRANDE 3	82.3	63.3	98.7	98.3	85.7
JS 916	76.0	76.7	93.7	96.0	85.6
FIREBIRD 2	84.3	73.3	93.3	91.3	85.6
HEMI	85.0	76.7	91.7	88.3	85.4
CAESAR (TY 10)	73.0	76.7	97.3	94.3	85.3
SALTILLO (PST-5SALT)	80.7	73.3	90.0	97.3	85.3
PSG-8BP2	77.7	73.3	91.7	98.3	85.3
RAIN DANCE (PST-5SDT)	79.7	66.7	96.3	98.3	85.3
TURFWAY (IS-TF 282 M2)	77.3	76.7	89.3	97.3	85.2
ROCKWELL (LTP-TWUU)	86.0	66.7	99.0	88.3	85.0
RHAMBLER 2 SRP (LSD)	85.7	70.0	93.0	91.0	84.9
SWAGGER (PST-5R05)	81.3	66.7	95.7	96.0	84.9
BAR FA 121089	82.3	66.7	97.7	92.7	84.8
IS-TF 272	79.7	76.7	90.0	92.7	84.8
DYNAMITE LS (PPG-TF-145)	76.7	80.0	88.3	93.7	84.7
HOT ROD (BURL TF-136)	82.0	68.3	97.7	90.7	84.7
BAR FA 120878	74.7	76.7	91.7	95.3	84.6
AQUADUCT	76.3	71.7	95.3	94.7	84.5
PPG-TF-138	84.7	66.7	91.7	94.3	84.3
ATF 1754	84.3	73.3	94.3	85.0	84.3
AVENGER II (PPG-TF-156)	87.7	60.0	95.7	93.3	84.2
DIABLO (IS-TF 330)	74.3	73.3	92.7	96.3	84.2
TEMPLE (DZ1)	77.0	76.7	90.0	92.7	84.1
IS-TF 308 SEL	81.7	73.3	96.3	85.0	84.1
CATALYST	83.7	68.3	99.0	85.0	84.0
FIREWALL (PSG-WE1)	82.3	73.3	93.3	86.7	83.9
MET 1	85.0	66.7	98.7	85.0	83.8
FRONTLINE (EXP TF-09)	77.3	68.3	96.0	93.3	83.8
IS-TF 289	77.3	70.0	93.3	94.3	83.8
PSG-TT4	76.7	66.7	96.0	94.3	83.4
BULLSEYE	85.3	70.0	88.3	90.0	83.4
INSPIRATION (PST-R5NW)	73.0	70.0	93.3	97.3	83.4
KY-31	84.7	61.7	90.0	97.0	83.3
THUNDERSTRUCK (TD1)	77.7	73.3	85.0	97.0	83.3
XTENDER (PPG-TF-139)	77.3	71.7	93.0	91.0	83.3
IS-TF 305 SEL	79.7	66.7	90.0	96.3	83.2
FOXHOUND (IS-TF 284 M2)	76.3	73.3	86.7	96.3	83.2
IS-TF 269 SEL	84.3	66.7	86.7	94.7	83.1

TABLE 26. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	AR1	CA3	NC1	OK1	MEAN
W41	85.3	66.7	88.3	92.0	83.1
IS-TF 276 M2	76.7	63.3	96.3	95.7	83.0
FALCON IV	75.3	66.7	97.3	91.7	82.8
KINGDOM (DB1)	70.0	80.0	90.0	91.0	82.8
GO-DFR	78.7	66.7	90.0	94.3	82.4
FALCON V	82.7	63.3	96.0	86.0	82.0
IS-TF 285	80.3	66.7	91.0	89.3	81.8
K12-05	72.3	70.0	89.3	95.3	81.8
B23	79.0	76.7	92.7	78.3	81.7
BAR FA 121095	76.3	70.0	83.3	97.0	81.7
TEMPTATION (OR-21)	72.3	63.3	93.3	97.3	81.6
RAD-TF-89	86.0	73.3	96.0	68.3	80.9
RAD-TF-92	85.7	73.3	92.7	71.7	80.8
JS 819	72.0	70.0	91.3	90.0	80.8
REGENERATE	85.0	80.0	93.3	65.0	80.8
RAD-TF-83	79.3	70.0	91.7	81.7	80.7
JS 818	71.0	68.3	90.0	92.7	80.5
JS 809	67.3	73.3	89.3	91.7	80.4
FAYETTE (IS-TF 291)	80.0	60.0	86.7	94.7	80.3
SCREAMER LS (PPG-TF-148)	82.3	66.7	97.0	75.0	80.3
HOVER (BURL TF-69)	70.0	73.3	93.0	83.3	79.9
RAD-TF-88	80.7	76.7	94.7	66.7	79.7
PST-5DZP	72.7	63.3	88.3	94.3	79.7
BAR FA 121091	73.7	60.0	91.7	90.0	78.8
ARES (PPG-TF-142)	68.3	71.7	85.0	90.0	78.8
ANNIHILATOR	68.7	73.3	91.0	71.7	76.2
K12-13	67.0	66.7	81.7	89.3	76.2
JS 825	64.7	63.3	86.7	89.7	76.1
204 RES. BLK4	73.0	70.0	93.0	66.7	75.7
WARHAWK	62.0	66.7	93.3	75.0	74.3
MARAUDER	59.0	63.3	90.0	61.7	68.5
COMP. RES. SST	56.7	70.0	95.7	36.7	64.8
LSD VALUE	8.5	13.7	7.4	11.4	5.3
C.V. (%)	6.6	11.9	4.9	7.8	7.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 27. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AR1	CA3	M01	NC1	OK1	MEAN
TERRANO	78.7	76.7	97.3	99.0	89.0	88.1
FIREBIRD 2	83.7	73.3	97.0	98.7	84.0	87.3
PST-5EV2	79.7	66.7	97.3	97.7	91.3	86.5
RHAMBLER 2 SRP (LSD)	74.7	76.7	98.3	93.3	88.7	86.3
PST-5EX2	80.3	63.3	98.0	96.3	93.0	86.2
RAIN DANCE (PST-5SDT)	75.7	70.0	97.0	97.7	89.3	85.9
PPG-TF-135	80.3	73.3	98.7	97.7	79.3	85.9
IS-TF 310 SEL	72.7	73.3	98.3	98.7	86.0	85.8
SALTILLO (PST-5SALT)	75.3	73.3	98.3	96.3	85.7	85.8
TURFWAY (IS-TF 282 M2)	68.7	76.7	96.3	96.3	91.0	85.8
HEMI	80.0	73.3	97.3	97.3	81.0	85.8
PPG-TF-169	79.3	73.3	98.0	96.3	81.7	85.7
MICHELANGELO (LTP-F5DPDR)	76.0	73.3	97.3	98.7	83.0	85.7
ATF 1736	76.7	73.3	97.3	97.3	82.7	85.5
B23	73.0	76.7	98.3	96.3	83.0	85.5
REFLECTION (U45)	73.0	73.3	97.0	97.3	86.3	85.4
IS-TF-287	75.3	70.0	97.3	97.7	86.0	85.3
TITANIUM 2LS (PPG-TF-152)	75.7	70.0	98.0	99.0	83.3	85.2
PST-5BRK	79.0	70.0	98.0	98.7	80.0	85.1
THOR (PPG-TF-157)	75.7	73.3	98.3	96.0	82.3	85.1
TECHNIQUE (RZ2)	78.3	66.7	97.3	98.7	83.7	84.9
PST-5MVD	74.0	70.0	98.7	99.0	82.7	84.9
K12-MCD	76.3	63.3	98.3	98.3	87.3	84.7
PPG-TF-138	70.0	73.3	98.3	98.7	83.3	84.7
BIZEM	72.3	73.3	98.3	98.3	80.7	84.6
IS-TF 311	70.3	70.0	95.7	99.0	88.0	84.6
AQUADUCT	69.0	83.3	97.0	97.7	75.7	84.5
FAITH	72.7	70.0	98.0	97.7	84.3	84.5
IS-TF 307 SEL	68.0	66.7	97.3	99.0	91.7	84.5
XTENDER (PPG-TF-139)	77.7	66.7	97.3	96.0	84.7	84.5
MET 6 SEL	74.7	63.3	97.7	98.7	87.3	84.3
CCR2	79.3	63.3	97.3	95.7	85.7	84.3
MERIDIAN (PST-5GRB)	72.3	63.3	97.7	98.7	89.0	84.2
SWAGGER (PST-5R05)	75.0	66.7	97.7	97.3	84.3	84.2
LEONARDO (LTP-FSD)	77.3	63.3	98.0	99.0	83.3	84.2
AVENGER II (PPG-TF-156)	81.3	60.0	98.0	96.3	85.0	84.1
DIABLO (IS-TF 330)	67.7	70.0	97.3	98.7	86.7	84.1
TRAVERSE 2 SRP (W45)	73.0	70.0	98.7	96.0	82.7	84.1
TEMPLE (DZ1)	72.0	66.7	97.3	99.0	85.3	84.1
ROWDY (SRX-TPC)	74.7	63.3	98.3	99.0	85.0	84.1
PST-5BPO	73.3	66.7	97.7	97.7	84.7	84.0
SCREAMER LS (PPG-TF-148)	76.7	66.7	96.0	99.0	81.7	84.0

TABLE 27. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AR1	CA3	M01	NC1	OK1	MEAN
BULLSEYE	77.7	66.7	97.7	94.7	83.3	84.0
BLACK TAIL (PPG-TF-150)	71.0	66.7	98.0	97.7	86.0	83.9
GTO (BURL TF-2)	74.3	66.7	98.3	97.7	81.7	83.7
IS-TF 269 SEL	75.7	63.3	97.7	96.0	85.7	83.7
PPG-TF-137	79.3	60.0	98.7	96.0	84.0	83.6
FESNOVA	76.0	63.3	98.3	94.3	85.7	83.5
PSG-GSD	74.7	70.0	97.3	96.3	79.3	83.5
W41	73.3	66.7	97.0	95.0	85.0	83.4
FALCON V	72.3	63.3	98.3	96.3	86.3	83.3
PPG-TF-172	77.3	60.0	98.0	96.3	85.0	83.3
4TH MILLENNIUM SRP (U43)	74.3	80.0	96.3	99.0	66.0	83.1
FOXHOUND (IS-TF 284 M2)	64.0	63.3	97.0	98.3	92.7	83.1
MET-3	80.7	66.7	97.0	96.3	74.7	83.1
HOT ROD (BURL TF-136)	66.0	70.0	96.3	98.7	84.0	83.0
IS-TF 285	73.0	66.7	96.3	96.0	82.7	82.9
ATF 1704	75.3	63.3	97.3	97.7	80.3	82.8
JS 809	62.7	73.3	97.0	94.7	86.3	82.8
IS-TF 289	69.0	66.7	94.3	99.0	84.7	82.7
PSG-P01	77.0	70.0	97.3	97.7	71.0	82.6
ARES (PPG-TF-142)	68.7	60.0	97.7	96.3	90.0	82.5
INSPIRATION (PST-R5NW)	73.0	60.0	97.3	96.3	85.7	82.5
JS 916	68.3	63.3	98.3	98.7	83.3	82.4
MAESTRO (T31)	80.3	53.3	94.7	94.7	89.0	82.4
IS-TF 308 SEL	73.0	63.3	94.3	95.7	85.0	82.3
ATF 1754	77.0	76.7	97.3	96.3	64.0	82.3
GRANDE 3	72.0	60.0	98.7	99.0	81.0	82.1
RAD-TF-89	73.0	60.0	97.3	99.0	81.0	82.1
PPG-TF-170	80.3	63.3	97.7	97.7	71.0	82.0
ROCKWELL (LTP-TWUU)	76.0	66.7	98.3	98.7	69.7	81.9
KY-31	80.7	73.3	96.0	85.0	74.3	81.9
GO-DFR	64.0	60.0	98.3	97.7	89.0	81.8
IS-TF 272	70.3	66.7	94.3	97.7	80.0	81.8
DYNAMITE LS (PPG-TF-145)	79.3	60.0	96.3	93.3	79.7	81.7
PSG-8BP2	72.3	60.0	97.0	93.3	86.0	81.7
FIRECRACKER SLS (PPG-TF-105)	75.0	66.7	97.0	97.7	71.7	81.6
HOVER (BURL TF-69)	70.0	63.3	97.3	96.0	81.0	81.5
KINGDOM (DB1)	63.7	73.3	97.3	97.7	75.0	81.4
PPG-TF-151	76.0	53.3	97.3	94.3	86.0	81.4
REGENERATE	67.7	70.0	98.3	94.7	75.0	81.1
FIREWALL (PSG-WE1)	74.0	60.0	98.7	97.3	73.3	80.7
FALCON IV	64.3	66.7	98.0	93.0	81.0	80.6
PICK-W43	78.7	46.7	97.0	97.7	82.7	80.5

TABLE 27: PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AR1	CA3	M01	NC1	OK1	MEAN
ATF 1612	69.3	63.3	97.3	97.3	75.0	80.5
RAD-TF-83	70.3	66.7	97.0	94.7	73.7	80.5
MET 1	72.3	43.3	98.3	97.7	89.3	80.2
PPG-TF-115	68.7	70.0	96.3	94.7	71.0	80.1
JS 819	62.7	60.0	98.3	96.3	83.3	80.1
BAR FA 121091	68.0	63.3	96.0	93.0	79.3	79.9
PSG-TT4	77.7	56.7	97.7	97.7	70.0	79.9
RAPTOR III (ZW 44)	74.7	60.0	98.7	96.3	69.7	79.9
THUNDERSTRUCK (TD1)	68.3	63.3	97.0	94.3	76.3	79.9
PST-5DZP	64.0	60.0	97.0	94.3	83.7	79.8
IS-TF 305 SEL	69.3	50.0	97.7	96.0	85.0	79.6
F711	77.3	46.7	98.7	99.0	75.0	79.3
TEMPTATION (OR-21)	63.3	53.3	97.7	97.3	84.7	79.3
BAR FA 120878	75.3	60.0	97.7	93.3	70.0	79.3
K12-13	68.0	63.3	95.0	90.0	79.0	79.1
BAR FA 121089	65.7	63.3	97.7	97.7	69.3	78.7
BAR FA 121095	63.7	63.3	98.7	90.0	78.0	78.7
WARHAWK	60.3	56.7	96.0	97.7	80.7	78.3
CAESAR (TY 10)	68.7	53.3	98.0	94.7	74.0	77.7
IS-TF 276 M2	66.0	46.7	98.3	98.7	79.0	77.7
CATALYST	67.0	66.7	98.7	97.7	58.3	77.7
JS 818	63.7	56.7	95.0	97.7	75.0	77.6
RAD-TF-92	72.0	63.3	96.0	99.0	56.3	77.3
FAYETTE (IS-TF 291)	71.7	50.0	97.0	97.7	69.7	77.2
ANNIHILATOR	64.7	50.0	97.3	93.0	76.7	76.3
JS 825	53.7	56.7	97.0	95.7	77.3	76.1
K12-05	62.3	53.3	97.3	93.0	71.7	75.5
FRONTLINE (EXP TF-09)	56.0	56.7	96.0	93.0	75.7	75.5
MARAUDER	69.0	63.3	98.7	94.7	46.7	74.5
RAD-TF-88	67.7	63.3	97.0	96.0	47.3	74.3
204 RES. BLK4	65.3	63.3	98.7	88.0	52.3	73.5
COMP. RES. SST	66.3	50.0	98.3	98.7	46.7	72.0
LSD VALUE	11.5	16.7	2.9	5.4	18.8	5.7
C.V. (%)	9.9	16.0	1.9	3.5	14.6	9.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 28. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AR1	CA3	M01	NC1	OK1	MEAN
ROWDY (SRX-TPC)	91.3	99.0	99.0	99.0	96.7	97.0
PST-5EV2	92.3	94.7	98.7	97.7	97.3	96.1
PST-5EX2	91.7	96.0	99.0	99.0	94.7	96.1
TURFWAY (IS-TF 282 M2)	89.7	97.7	99.0	99.0	94.0	95.9
MET 6 SEL	89.7	96.3	98.3	99.0	96.0	95.9
BLACK TAIL (PPG-TF-150)	91.3	96.3	99.0	99.0	93.3	95.8
TECHNIQUE (RZ2)	92.3	96.3	99.0	99.0	90.7	95.5
IS-TF 307 SEL	89.3	95.0	98.7	97.7	96.3	95.4
RHAMBLER 2 SRP (LSD)	89.3	99.0	99.0	96.3	93.3	95.4
IS-TF 269 SEL	90.7	99.0	99.0	94.3	93.0	95.2
FOXHOUND (IS-TF 284 M2)	89.7	95.0	99.0	96.3	95.3	95.1
PST-5BRK	91.3	95.0	99.0	97.7	92.3	95.1
MET 1	93.7	97.7	99.0	99.0	85.7	95.0
XTENDER (PPG-TF-139)	92.7	94.7	98.3	97.7	91.3	94.9
SWAGGER (PST-5R05)	91.0	97.7	98.7	96.3	90.0	94.7
IS-TF 310 SEL	91.7	94.7	99.0	96.3	91.7	94.7
MAESTRO (T31)	91.0	96.3	98.3	99.0	88.7	94.7
MICHELANGELO (LTP-F5DPDR)	91.0	96.3	99.0	97.7	89.3	94.7
TITANIUM 2LS (PPG-TF-152)	91.7	95.0	99.0	99.0	88.3	94.6
TEMPLE (DZ1)	85.7	96.3	99.0	97.7	94.0	94.5
HOT ROD (BURL TF-136)	89.0	96.3	98.3	99.0	90.0	94.5
TRAVERSE 2 SRP (W45)	90.0	94.7	99.0	99.0	90.0	94.5
PPG-TF-138	90.3	97.7	99.0	94.3	91.0	94.5
F711	93.0	96.3	99.0	99.0	84.7	94.4
DIABLO (IS-TF 330)	88.7	99.0	98.7	94.7	90.3	94.3
K12-MCD	91.7	94.7	99.0	96.0	89.7	94.2
IS-TF 308 SEL	91.7	94.7	97.7	99.0	88.0	94.2
REFLECTION (U45)	91.0	96.3	99.0	97.7	87.0	94.2
FIREBIRD 2	92.0	93.0	99.0	94.7	92.0	94.1
TERRANO	91.3	93.0	99.0	97.7	89.7	94.1
MERIDIAN (PST-5GRB)	91.3	94.7	98.7	97.7	87.7	94.0
HEMI	89.7	95.0	99.0	99.0	87.3	94.0
PSG-TT4	90.3	97.7	99.0	97.7	85.0	93.9
PPG-TF-169	91.3	96.3	99.0	97.7	85.3	93.9
RAIN DANCE (PST-5SDT)	90.3	95.0	98.7	96.3	89.3	93.9
W41	91.3	94.7	99.0	94.7	89.7	93.9
JS 819	87.7	96.3	99.0	90.0	96.3	93.9
GTO (BURL TF-2)	92.3	93.0	99.0	99.0	85.7	93.8
SCREAMER LS (PPG-TF-148)	90.3	97.7	99.0	97.7	84.3	93.8
IS-TF 289	89.0	97.7	97.7	95.0	89.3	93.7
B23	91.3	96.3	99.0	97.7	84.3	93.7
INSPIRATION (PST-R5NW)	90.3	96.0	99.0	93.0	90.3	93.7

TABLE 28. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AR1	CA3	M01	NC1	OK1	MEAN
RAD-TF-89	88.7	94.7	99.0	94.3	91.7	93.7
IS-TF-287	88.0	96.3	99.0	93.3	91.3	93.6
GO-DFR	88.7	96.3	99.0	96.3	87.3	93.5
THOR (PPG-TF-157)	90.3	95.0	99.0	97.7	85.7	93.5
CCR2	92.7	97.7	99.0	96.3	81.0	93.3
IS-TF 305 SEL	87.7	94.7	99.0	94.7	90.7	93.3
FAITH	90.3	93.0	99.0	93.0	91.3	93.3
FESNOVA	90.7	94.7	99.0	93.0	89.0	93.3
REGENERATE	89.7	97.7	99.0	94.7	85.3	93.3
PST-5MVD	92.7	93.3	99.0	99.0	82.3	93.3
IS-TF 276 M2	88.7	94.3	99.0	96.3	87.7	93.2
AVENGER II (PPG-TF-156)	90.7	86.3	99.0	99.0	90.7	93.1
PPG-TF-170	91.0	91.7	99.0	97.7	86.0	93.1
TEMPTATION (OR-21)	87.7	96.0	99.0	95.0	87.7	93.1
RAPTOR III (ZW 44)	92.3	94.3	99.0	97.7	81.7	93.0
SALTILLO (PST-5SALT)	89.0	99.0	99.0	94.7	83.0	92.9
PPG-TF-135	91.7	93.3	99.0	99.0	81.0	92.8
PSG-8BP2	89.7	94.7	98.3	88.3	92.7	92.7
ATF 1754	92.3	96.3	98.7	96.0	80.3	92.7
FALCON V	92.7	94.7	99.0	96.0	81.0	92.7
LEONARDO (LTP-FSD)	92.7	88.3	99.0	99.0	84.3	92.7
PST-5BPO	91.0	93.3	97.7	97.7	83.3	92.6
WARHAWK	88.0	94.7	99.0	90.0	91.3	92.6
4TH MILLENNIUM SRP (U43)	90.7	99.0	99.0	97.7	75.7	92.4
JS 809	86.0	99.0	99.0	90.0	88.0	92.4
GRANDE 3	92.0	91.7	98.7	97.7	81.7	92.3
IS-TF 285	88.0	99.0	98.3	94.7	81.3	92.3
ROCKWELL (LTP-TWUU)	93.3	94.7	99.0	99.0	75.3	92.3
ATF 1704	91.7	91.7	99.0	99.0	79.3	92.1
BIZEM	92.3	91.7	99.0	97.7	79.3	92.0
JS 916	89.0	91.7	99.0	97.7	82.3	91.9
IS-TF 311	92.7	85.0	97.7	96.3	87.0	91.7
PSG-P01	90.3	97.7	98.7	99.0	72.7	91.7
FIRECRACKER SLS (PPG-TF-105)	90.7	96.3	99.0	94.7	77.3	91.6
ARES (PPG-TF-142)	87.3	94.7	99.0	90.0	86.7	91.5
FIREWALL (PSG-WE1)	90.7	93.3	99.0	99.0	75.0	91.4
KINGDOM (DB1)	89.7	94.7	98.3	97.7	76.7	91.4
PST-5DZP	89.3	95.0	98.7	91.3	82.7	91.4
AQUADUCT	87.0	94.7	99.0	88.3	87.3	91.3
BAR FA 121089	89.3	96.0	98.3	94.7	78.0	91.3
PPG-TF-172	90.3	78.3	99.0	99.0	89.7	91.3
MET-3	91.7	97.7	99.0	97.7	70.0	91.2

TABLE 28. PERCENT LIVING GROUND COVER (FALL) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AR1	CA3	M01	NC1	OK1	MEAN
BAR FA 121095	87.3	94.7	99.0	90.0	85.0	91.2
PPG-TF-137	90.3	93.3	99.0	99.0	74.3	91.2
JS 818	86.7	96.0	98.7	89.7	84.7	91.1
CAESAR (TY 10)	90.3	95.0	99.0	95.0	76.0	91.1
PPG-TF-151	90.0	88.0	98.3	97.7	80.3	90.9
HOVER (BURL TF-69)	87.0	93.0	99.0	94.7	80.0	90.7
BAR FA 120878	88.0	99.0	99.0	81.7	85.7	90.7
FRONTLINE (EXP TF-09)	88.3	93.0	99.0	86.7	86.3	90.7
ANNIHILATOR	88.0	93.3	99.0	90.0	82.7	90.6
ATF 1736	91.7	96.3	99.0	90.0	76.0	90.6
KY-31	89.7	94.7	97.7	85.0	86.0	90.6
FALCON IV	91.0	94.7	99.0	88.3	79.3	90.5
JS 825	87.3	93.0	99.0	90.0	82.7	90.4
PSG-GSD	89.3	89.3	99.0	94.7	79.7	90.4
IS-TF 272	90.7	94.7	97.7	88.3	80.3	90.3
ATF 1612	90.0	93.0	98.3	96.3	73.7	90.3
BAR FA 121091	88.3	90.0	99.0	91.7	82.3	90.3
CATALYST	90.7	95.0	98.3	96.3	68.0	89.7
BULLSEYE	89.7	90.0	97.7	86.7	83.0	89.4
PICK-W43	93.3	74.7	99.0	97.7	81.7	89.3
K12-13	88.3	99.0	99.0	90.0	69.0	89.1
PPG-TF-115	90.0	91.7	98.7	91.7	72.0	88.8
FAYETTE (IS-TF 291)	89.3	91.7	99.0	90.0	74.0	88.8
K12-05	90.3	81.7	98.3	95.0	78.7	88.8
THUNDERSTRUCK (TD1)	86.7	96.0	98.7	89.7	70.7	88.3
RAD-TF-83	89.3	97.7	98.3	88.3	68.0	88.3
RAD-TF-92	87.3	93.3	99.0	93.0	67.7	88.1
DYNAMITE LS (PPG-TF-145)	84.3	91.3	99.0	93.3	71.7	87.9
RAD-TF-88	89.3	97.7	99.0	91.7	56.7	86.9
MARAUDER	91.0	97.7	99.0	86.7	54.3	85.7
204 RES. BLK4	90.0	97.7	99.0	75.0	55.7	83.5
COMP. RES. SST	86.0	94.7	99.0	83.3	35.7	79.7
LSD VALUE	3.6	9.2	1.1	6.9	23.4	5.3
C.V. (%)	2.5	6.0	0.7	4.5	17.4	7.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 29. WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	CA3	KY1	MS1	NC1	MEAN
PPG-TF-169	8.0	4.0	4.7	4.7	5.3
GTO (BURL TF-2)	8.0	4.3	4.0	5.0	5.3
TITANIUM 2LS (PPG-TF-152)	7.7	4.0	4.3	5.3	5.3
CCR2	7.0	4.3	4.7	5.0	5.3
F711	7.0	4.3	4.7	5.0	5.3
GRANDE 3	7.0	4.3	4.0	5.7	5.3
FAITH	7.3	4.0	4.3	5.3	5.3
MET 1	7.3	4.0	4.7	4.7	5.2
MET-3	7.7	4.0	4.3	4.7	5.2
PSG-P01	8.0	4.0	4.0	4.7	5.2
THOR (PPG-TF-157)	7.7	4.0	4.0	5.0	5.2
MAESTRO (T31)	7.3	4.0	4.3	5.0	5.2
REGENERATE	7.3	4.0	4.3	5.0	5.2
ROCKWELL (LTP-TWUU)	7.3	4.3	4.0	5.0	5.2
PST-5EX2	7.0	4.7	4.0	4.7	5.1
TURFWAY (IS-TF 282 M2)	7.7	4.0	4.0	4.7	5.1
PPG-TF-137	7.3	4.0	4.3	4.7	5.1
PPG-TF-151	7.3	4.0	4.0	5.0	5.1
PST-5BPO	7.3	4.3	4.0	4.7	5.1
4TH MILLENNIUM SRP (U43)	7.3	4.0	4.0	4.7	5.0
AVENGER II (PPG-TF-156)	6.7	4.0	4.0	5.3	5.0
MET 6 SEL	7.3	4.3	4.7	3.7	5.0
PPG-TF-135	7.3	4.0	4.0	4.7	5.0
RAD-TF-89	8.0	3.7	4.0	4.3	5.0
SALTILLO (PST-5SALT)	7.7	4.0	4.0	4.3	5.0
SCREAMER LS (PPG-TF-148)	7.3	4.0	4.7	4.0	5.0
ATF 1736	7.0	4.0	4.0	4.7	4.9
BIZEM	7.7	4.0	4.0	4.0	4.9
FIRECRACKER SLS (PPG-TF-105)	6.7	4.0	4.0	5.0	4.9
FRONTLINE (EXP TF-09)	7.0	4.0	4.0	4.7	4.9
IS-TF 308 SEL	7.0	4.0	4.0	4.7	4.9
PPG-TF-138	7.7	4.0	4.0	4.0	4.9
PPG-TF-172	7.0	4.0	4.0	4.7	4.9
RAIN DANCE (PST-5SDT)	7.0	4.0	4.0	4.7	4.9
TECHNIQUE (RZ2)	7.0	4.0	4.0	4.7	4.9
TRAVERSE 2 SRP (W45)	6.7	4.0	4.3	4.7	4.9
W41	7.7	4.0	3.7	4.3	4.9
CATALYST	7.3	4.0	4.0	4.3	4.9
FALCON V	7.0	4.0	4.3	4.3	4.9
FAYETTE (IS-TF 291)	7.3	4.3	4.0	4.0	4.9
HOT ROD (BURL TF-136)	7.3	4.0	4.3	4.0	4.9

TABLE 29: WINTER COLOR RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	CA3	KY1	MS1	NC1	MEAN
KINGDOM (DB1)	7.3	4.0	4.0	4.3	4.9
LEONARDO (LTP-FSD)	7.3	4.0	4.0	4.3	4.9
PST-5EV2	7.3	4.0	4.3	4.0	4.9
RAPTOR III (ZW 44)	7.3	4.0	4.0	4.3	4.9
REFLECTION (U45)	7.3	4.0	4.0	4.3	4.9
IS-TF 311	6.7	4.0	4.0	4.7	4.8
K12-13	7.7	3.7	4.0	4.0	4.8
K12-MCD	7.7	4.0	4.0	3.7	4.8
TERRANO	7.7	4.0	4.0	3.7	4.8
204 RES. BLK4	7.3	4.0	4.0	4.0	4.8
ARES (PPG-TF-142)	7.3	4.0	4.0	4.0	4.8
ATF 1612	7.0	4.0	4.0	4.3	4.8
B23	7.0	4.0	4.0	4.3	4.8
CAESAR (TY 10)	6.3	4.0	4.0	5.0	4.8
DIABLO (IS-TF 330)	7.0	4.0	4.0	4.3	4.8
TEMPLE (DZ1)	7.3	4.0	4.3	3.7	4.8
FESNOVA	7.0	4.0	4.0	4.3	4.8
FIREWALL (PSG-WE1)	7.0	4.3	4.0	4.0	4.8
IS-TF 305 SEL	7.3	4.0	4.0	4.0	4.8
IS-TF 307 SEL	7.0	4.0	4.0	4.3	4.8
IS-TF 310 SEL	7.0	4.0	4.0	4.3	4.8
JS 916	7.3	4.0	4.0	4.0	4.8
MARAUDER	7.0	4.0	4.0	4.3	4.8
PPG-TF-170	7.0	4.0	4.3	4.0	4.8
PSG-GSD	7.3	4.0	4.3	3.7	4.8
PSG-TT4	7.3	4.0	4.0	4.0	4.8
PST-5MVD	6.7	4.3	4.3	4.0	4.8
AQUADUCT	7.7	4.0	4.0	3.3	4.8
ATF 1704	6.7	4.0	4.0	4.3	4.8
BAR FA 120878	6.7	4.3	4.0	4.0	4.8
BLACK TAIL (PPG-TF-150)	7.0	4.0	4.0	4.0	4.8
FIREBIRD 2	7.3	4.0	4.0	3.7	4.8
IS-TF 272	7.3	4.0	4.0	3.7	4.8
IS-TF 276 M2	6.7	4.0	4.0	4.3	4.8
K12-05	7.7	4.0	4.0	3.3	4.8
PICK-W43	6.7	4.0	4.0	4.3	4.8
PSG-8BP2	7.3	4.0	4.0	3.7	4.8
RHAMBLER 2 SRP (LSD)	7.3	4.0	4.0	3.7	4.8
XTENDER (PPG-TF-139)	7.3	4.0	4.0	3.7	4.8
INSPIRATION (PST-R5NW)	7.0	4.0	4.0	3.7	4.7
IS-TF-287	7.0	4.0	4.0	3.7	4.7
MICHELANGELO (LTP-F5DPDR)	6.7	4.0	4.0	4.0	4.7

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	CA3	KY1	MS1	NC1	MEAN
PST-5DZP	7.0	4.0	4.0	3.7	4.7
RAD-TF-92	7.0	4.0	4.0	3.7	4.7
THUNDERSTRUCK (TD1)	6.7	4.0	4.0	4.0	4.7
ANNIHILATOR	7.0	4.0	3.7	4.0	4.7
DYNAMITE LS (PPG-TF-145)	7.0	3.7	4.0	4.0	4.7
ROWDY (SRX-TPC)	7.3	4.0	4.0	3.3	4.7
TEMPTATION (OR-21)	6.3	4.0	4.0	4.3	4.7
COMP. RES. SST	6.7	4.0	3.7	4.0	4.6
HEMI	6.7	4.0	4.0	3.7	4.6
IS-TF 285	6.7	4.0	4.0	3.7	4.6
IS-TF 289	6.7	4.0	4.0	3.7	4.6
BULLSEYE	6.3	4.0	4.0	4.0	4.6
HOVER (BURL TF-69)	7.3	4.0	4.0	3.0	4.6
JS 818	7.3	4.0	4.0	3.0	4.6
MERIDIAN (PST-5GRB)	6.3	4.0	4.0	4.0	4.6
SWAGGER (PST-5R05)	6.3	4.0	4.0	4.0	4.6
BAR FA 121089	6.3	4.0	4.0	3.7	4.5
FOXHOUND (IS-TF 284 M2)	7.0	4.0	4.0	3.0	4.5
GO-DFR	6.7	4.0	4.0	3.3	4.5
IS-TF 269 SEL	6.7	4.0	4.0	3.3	4.5
JS 809	7.0	4.0	4.0	3.0	4.5
PST-5BRK	6.7	4.0	4.3	3.0	4.5
RAD-TF-83	7.0	4.0	4.0	3.0	4.5
KY-31	6.0	5.0	4.0	2.7	4.4
RAD-TF-88	6.7	4.0	4.0	3.0	4.4
ATF 1754	6.3	4.0	4.0	3.3	4.4
FALCON IV	6.3	4.0	4.0	3.3	4.4
BAR FA 121095	6.7	4.0	4.0	2.7	4.3
JS 819	7.0	3.7	4.0	2.7	4.3
JS 825	6.3	4.0	4.0	3.0	4.3
PPG-TF-115	6.3	4.0	4.0	3.0	4.3
WARHAWK	7.0	3.7	3.7	2.7	4.3
BAR FA 121091	6.3	4.0	3.7	2.7	4.2
LSD VALUE	1.2	0.4	0.4	1.2	0.4
C.V. (%)	10.3	5.5	6.7	18.4	11.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 30. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	IN1	MD1	NJ2	OK1	MEAN
REFLECTION (U45)	8.7	8.7	6.3	4.0	6.9
HOT ROD (BURL TF-136)	9.0	8.0	5.7	4.7	6.8
PST-5EV2	8.3	7.0	5.7	6.0	6.8
PST-5EX2	7.7	8.0	6.0	5.3	6.8
REGENERATE	8.3	8.0	6.3	4.3	6.8
MET 6 SEL	8.7	8.3	6.0	3.7	6.7
SCREAMER LS (PPG-TF-148)	9.0	7.7	5.7	4.3	6.7
IS-TF 308 SEL	7.7	8.7	6.3	4.0	6.7
F711	8.3	8.3	5.0	4.7	6.6
MET 1	8.0	7.7	6.0	4.7	6.6
PSG-P01	8.3	8.3	6.0	3.7	6.6
THOR (PPG-TF-157)	8.0	8.3	5.7	4.3	6.6
PPG-TF-172	8.7	7.7	5.3	4.7	6.6
ROWDY (SRX-TPC)	8.7	8.3	4.0	5.3	6.6
IS-TF 311	7.0	8.3	6.0	4.7	6.5
TURFWAY (IS-TF 282 M2)	7.7	8.0	5.7	4.7	6.5
4TH MILLENNIUM SRP (U43)	8.0	8.0	6.0	4.0	6.5
BIZEM	7.7	8.3	5.7	4.3	6.5
GRANDE 3	8.3	8.3	6.0	3.3	6.5
CCR2	8.3	8.0	6.0	3.3	6.4
IS-TF 269 SEL	7.7	8.0	6.0	4.0	6.4
PPG-TF-170	7.7	8.7	5.7	3.7	6.4
BLACK TAIL (PPG-TF-150)	7.7	8.3	5.3	4.3	6.4
BULLSEYE	8.0	8.7	5.0	4.0	6.4
FIREBIRD 2	8.0	8.0	5.3	4.3	6.4
PPG-TF-169	7.3	8.3	5.7	4.0	6.3
TITANIUM 2LS (PPG-TF-152)	8.3	7.3	6.0	3.7	6.3
AVENGER II (PPG-TF-156)	8.3	8.3	4.3	4.3	6.3
FIREWALL (PSG-WE1)	8.3	8.3	5.3	3.3	6.3
MAESTRO (T31)	7.3	8.3	5.3	4.3	6.3
MET-3	8.3	7.7	6.3	3.0	6.3
PICK-W43	7.7	8.7	6.0	3.0	6.3
PPG-TF-135	7.3	8.0	6.3	3.7	6.3
PPG-TF-151	8.7	8.7	4.7	3.3	6.3
SALTILLO (PST-5SALT)	7.0	8.7	6.0	3.7	6.3
TRAVERSE 2 SRP (W45)	7.3	8.0	5.7	4.3	6.3
PST-5MVD	8.3	8.0	5.0	3.7	6.3
ROCKWELL (LTP-TWUU)	8.3	8.0	6.0	2.7	6.3
FAITH	8.3	8.0	5.3	3.3	6.3
IS-TF 310 SEL	8.0	8.0	5.3	3.7	6.3
PPG-TF-137	8.0	8.3	5.3	3.3	6.3

TABLE 30. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	IN1	MD1	NJ2	OK1	MEAN
TERRANO	8.7	8.7	3.0	4.7	6.3
XTENDER (PPG-TF-139)	8.0	8.0	4.3	4.7	6.3
ATF 1736	8.0	8.0	5.0	3.7	6.2
B23	7.7	8.3	4.7	4.0	6.2
FAYETTE (IS-TF 291)	8.0	7.7	5.3	3.7	6.2
GTO (BURL TF-2)	7.7	8.0	5.7	3.3	6.2
IS-TF 305 SEL	7.7	8.0	5.0	4.0	6.2
JS 916	8.0	7.7	5.0	4.0	6.2
RAPTOR III (ZW 44)	8.0	8.3	5.0	3.3	6.2
FIRECRACKER SLS (PPG-TF-105)	8.3	8.7	4.3	3.3	6.2
PST-5BPO	7.3	8.0	5.3	4.0	6.2
TEMPLE (DZ1)	7.7	7.0	5.7	4.0	6.1
IS-TF 307 SEL	8.0	7.0	4.3	5.0	6.1
LEONARDO (LTP-FSD)	8.3	7.7	5.0	3.3	6.1
MICHELANGELO (LTP-F5DPDR)	8.7	8.0	4.7	3.0	6.1
PPG-TF-115	8.7	7.7	4.7	3.3	6.1
DIABLO (IS-TF 330)	8.3	7.3	4.7	3.7	6.0
HEMI	8.0	7.7	4.7	3.7	6.0
ATF 1612	8.3	7.7	5.0	3.0	6.0
IS-TF 272	7.3	8.0	4.7	4.0	6.0
TECHNIQUE (RZ2)	7.7	7.7	4.3	4.3	6.0
W41	6.7	7.3	5.7	4.3	6.0
IS-TF 285	7.3	8.7	4.0	3.7	5.9
IS-TF 289	7.7	8.0	4.7	3.3	5.9
PPG-TF-138	7.7	8.3	3.7	4.0	5.9
RHAMBLER 2 SRP (LSD)	8.3	8.0	2.0	5.3	5.9
K12-MCD	7.3	7.7	4.3	4.3	5.9
ARES (PPG-TF-142)	7.3	8.3	3.7	4.0	5.8
FOXHOUND (IS-TF 284 M2)	7.0	6.7	5.0	4.7	5.8
HOVER (BURL TF-69)	8.3	7.7	4.3	3.0	5.8
PSG-8BP2	7.7	7.3	3.3	5.0	5.8
PST-5BRK	7.3	8.3	4.3	3.3	5.8
FESNOVA	6.3	8.3	4.7	3.7	5.8
ATF 1754	8.0	8.0	4.3	2.7	5.8
IS-TF-287	7.7	7.7	3.7	4.0	5.8
PSG-TT4	7.3	7.0	5.0	3.7	5.8
ATF 1704	6.3	7.7	5.3	3.3	5.7
MERIDIAN (PST-5GRB)	7.0	8.0	3.3	4.3	5.7
PSG-GSD	8.7	7.7	3.3	3.0	5.7
CAESAR (TY 10)	7.7	7.7	4.0	3.0	5.6
TEMPTATION (OR-21)	6.0	7.7	4.7	4.0	5.6
FALCON IV	8.0	7.7	3.0	3.3	5.5

TABLE 30. BROWN PATCH (WARM TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/					
NAME	IN1	MD1	NJ2	OK1	MEAN
IS-TF 276 M2	7.7	7.3	4.0	3.0	5.5
RAD-TF-88	8.0	7.7	4.3	2.0	5.5
RAD-TF-89	8.0	7.7	3.3	3.0	5.5
CATALYST	7.7	8.7	2.3	3.3	5.5
BAR FA 121095	6.7	7.0	5.0	3.0	5.4
KY-31	8.7	7.3	2.7	3.0	5.4
RAIN DANCE (PST-5SDT)	6.0	6.7	5.3	3.7	5.4
JS 818	6.0	7.3	4.3	4.0	5.4
KINGDOM (DB1)	6.0	6.7	5.7	3.0	5.3
THUNDERSTRUCK (TD1)	7.0	6.7	5.0	2.7	5.3
BAR FA 121089	6.3	7.3	4.3	3.3	5.3
BAR FA 121091	6.3	7.0	4.7	3.3	5.3
INSPIRATION (PST-R5NW)	7.3	7.0	3.3	3.7	5.3
PST-5DZP	6.7	7.7	3.7	3.3	5.3
SWAGGER (PST-5R05)	6.7	8.0	3.3	3.3	5.3
RAD-TF-83	7.0	7.0	5.0	2.0	5.3
RAD-TF-92	7.7	7.3	4.3	1.7	5.3
FALCON V	7.3	7.0	3.3	3.3	5.3
FRONTLINE (EXP TF-09)	5.7	7.0	3.7	4.3	5.2
JS 819	6.7	7.0	3.3	3.7	5.2
JS 809	5.0	8.3	3.3	3.7	5.1
AQUADUCT	6.0	8.0	3.3	3.0	5.1
BAR FA 120878	6.7	7.3	3.3	3.0	5.1
WARHAWK	5.3	7.3	3.7	3.7	5.0
ANNIHILATOR	5.3	6.7	5.0	2.7	4.9
GO-DFR	5.7	7.0	3.7	3.3	4.9
K12-13	6.0	7.3	3.7	2.7	4.9
DYNAMITE LS (PPG-TF-145)	7.7	6.3	2.3	3.3	4.9
JS 825	6.7	6.7	3.0	2.7	4.8
K12-05	4.3	6.3	5.0	3.3	4.8
MARAUDER	6.3	6.3	3.3	1.7	4.4
204 RES. BLK4	5.0	7.0	3.7	2.0	4.4
COMP. RES. SST	5.3	7.0	4.0	1.3	4.4
LSD VALUE	1.6	1.3	1.6	1.7	0.8
C.V. (%)	13.3	10.6	20.8	29.2	16.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 31.

FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	NE1	OK1	MEAN	NAME	CA3	NC1	OK1	MEAN
RAD-TF-89	7.0	7.7	7.3	PST-5BPO	6.7	7.7	5.0	6.4
PPG-TF-135	6.7	7.7	7.2	ATF 1612	6.3	8.0	5.0	6.4
IS-TF 310 SEL	6.3	8.0	7.2	BIZEM	6.3	8.0	5.0	6.4
MET-3	7.0	7.3	7.2	TEMPLE (DZ1)	6.0	8.0	5.3	6.4
TRAVERSE 2 SRP (W45)	7.0	7.3	7.2	FOXHOUND (IS-TF 284 M2)	6.3	7.7	5.3	6.4
4TH MILLENNIUM SRP (U43)	7.0	7.0	7.0	MERIDIAN (PST-5GRB)	6.0	8.0	5.3	6.4
MET 1	7.0	7.0	7.0	PST-5DZP	6.7	7.3	5.3	6.4
RAPTOR III (ZW 44)	6.7	7.3	7.0	REFLECTION (U45)	6.3	7.7	5.3	6.4
REGENERATE	7.0	7.0	7.0	SWAGGER (PST-5R05)	7.3	7.3	4.7	6.4
THOR (PPG-TF-157)	6.3	7.7	7.0	TEMPTATION (OR-21)	6.7	7.3	5.3	6.4
F711	7.0	6.7	6.8	ATF 1736	6.7	7.0	5.3	6.3
FAITH	6.0	7.7	6.8	CATALYST	6.3	7.7	5.0	6.3
HEMI	6.7	7.0	6.8	FAITH	6.3	7.3	5.3	6.3
PPG-TF-170	6.7	7.0	6.8	GRANDE 3	5.7	7.7	5.7	6.3
RAD-TF-92	6.7	7.0	6.8	IS-TF 289	7.0	7.7	4.3	6.3
PPG-TF-137	6.3	7.3	6.8	K12-MCD	6.0	7.7	5.3	6.3
PSG-PO1	6.3	7.3	6.8	MICHELANGELO (LTP-F5DPDR)	6.3	7.7	5.0	6.3
RAD-TF-88	6.3	7.3	6.8	PPG-TF-151	6.3	8.0	4.7	6.3
REFLECTION (U45)	6.3	7.3	6.8	PSG-PO1	5.7	8.0	5.3	6.3
AVENGER II (PPG-TF-156)	6.7	6.7	6.7	RAD-TF-88	6.7	8.0	4.3	6.3
B23	6.7	6.7	6.7	DYNAMITE LS (PPG-TF-145)	6.7	7.7	4.3	6.2
CATALYST	6.7	6.7	6.7	FAYETTE (IS-TF 291)	6.3	7.7	4.7	6.2
FAYETTE (IS-TF 291)	6.7	6.7	6.7	FESNOVA	7.0	7.0	4.7	6.2
IS-TF 272	5.7	7.7	6.7	FIRECRACKER SLS (PPG-TF-105)	5.7	8.0	5.0	6.2
PPG-TF-172	6.7	6.7	6.7	FIREWALL (PSG-WE1)	6.3	7.7	4.7	6.2
SCREAMER LS (PPG-TF-148)	6.7	6.7	6.7	GO-DFR	6.0	7.7	5.0	6.2
TECHNIQUE (RZ2)	6.7	6.7	6.7	JS 916	6.0	8.0	4.7	6.2
TEMPTATION (OR-21)	5.7	7.7	6.7	K12-05	6.0	7.7	5.0	6.2
BULLSEYE	6.3	7.0	6.7	LEONARDO (LTP-FSD)	6.0	7.7	5.0	6.2
GRANDE 3	6.0	7.3	6.7	MET-3	5.7	8.0	5.0	6.2
GTO (BURL TF-2)	6.3	7.0	6.7	RAD-TF-92	5.7	8.0	5.0	6.2
KINGDOM (DB1)	6.3	7.0	6.7	ROCKWELL (LTP-TWUU)	6.0	8.0	4.7	6.2
MAESTRO (T31)	6.3	7.0	6.7	MAESTRO (T31)	6.3	7.0	5.3	6.2
PPG-TF-115	6.0	7.3	6.7	PST-5BRK	6.3	7.3	5.0	6.2
ROCKWELL (LTP-TWUU)	6.3	7.0	6.7	PST-5EX2	6.3	7.3	5.0	6.2
ATF 1754	7.0	6.0	6.5	RAIN DANCE (PST-5SDT)	6.3	7.3	5.0	6.2
BIZEM	6.0	7.0	6.5	CAESAR (TY 10)	6.7	7.0	4.7	6.1
BLACK TAIL (PPG-TF-150)	6.7	6.3	6.5	IS-TF 269 SEL	6.0	7.7	4.7	6.1
CCR2	7.0	6.0	6.5	IS-TF 276 M2	5.7	7.7	5.0	6.1
DYNAMITE LS (PPG-TF-145)	6.0	7.0	6.5	PST-5MVD	6.0	7.7	4.7	6.1
FALCON IV	5.7	7.3	6.5	ARES (PPG-TF-142)	5.7	7.3	5.3	6.1
				BAR FA 121095	6.7	7.3	4.3	6.1

TABLE 31. FALL COLOR (OCTOBER) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	NE1	OK1	MEAN
PST-5EV2	6.0	6.3	6.2
RAIN DANCE (PST-5SDT)	6.0	6.3	6.2
RHAMBLER 2 SRP (LSD)	6.0	6.3	6.2
ROWDY (SRX-TPC)	6.0	6.3	6.2
CAESAR (TY 10)	5.3	6.7	6.0
IS-TF 289	5.0	7.0	6.0
JS 916	5.7	6.3	6.0
MET 6 SEL	6.3	5.7	6.0
MICHELANGELO (LTP-F5DPDR)	5.3	6.7	6.0
PST-5DZP	5.0	7.0	6.0
SALTILLO (PST-5SALT)	5.0	7.0	6.0
TURFWAY (IS-TF 282 M2)	5.0	7.0	6.0
ANNIHILATOR	5.7	6.0	5.8
JS 819	5.0	6.7	5.8
K12-13	5.0	6.7	5.8
PSG-TT4	5.0	6.7	5.8
204 RES. BLK4	5.7	5.7	5.7
INSPIRATION (PST-R5NW)	5.7	5.7	5.7
PST-5EX2	5.7	5.7	5.7
WARHAWK	4.7	6.7	5.7
AQUADUCT	5.0	6.3	5.7
BAR FA 121089	5.0	6.3	5.7
BAR FA 121095	5.3	6.0	5.7
IS-TF 311	5.3	6.0	5.7
JS 809	5.3	6.0	5.7
JS 825	5.0	6.3	5.7
MERIDIAN (PST-5GRB)	5.0	6.3	5.7
PSG-8BP2	5.0	6.3	5.7
BAR FA 121091	4.3	6.7	5.5
COMP. RES. SST	5.0	6.0	5.5
MARAUDER	5.3	5.7	5.5
BAR FA 120878	4.3	6.3	5.3
KY-31	3.3	5.0	4.2
LSD VALUE	1.2	1.3	0.9
C.V. (%)	12.0	12.2	12.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 32. FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	IL1	NAME	IL1
TEMPTATION (OR-21)	6.7	FALCON V	6.0
ARES (PPG-TF-142)	6.3	FAYETTE (IS-TF 291)	6.0
BAR FA 121091	6.3	FIREBIRD 2	6.0
CAESAR (TY 10)	6.3	FIREWALL (PSG-WE1)	6.0
DIABLO (IS-TF 330)	6.3	GO-DFR	6.0
FALCON IV	6.3	GTO (BURL TF-2)	6.0
FESNOVA	6.3	HEMI	6.0
FIRECRACKER SLS (PPG-TF-105)	6.3	HOVER (BURL TF-69)	6.0
FRONTLINE (EXP TF-09)	6.3	INSPIRATION (PST-R5NW)	6.0
GRANDE 3	6.3	IS-TF 272	6.0
IS-TF 285	6.3	IS-TF 307 SEL	6.0
IS-TF 289	6.3	IS-TF 310 SEL	6.0
IS-TF 305 SEL	6.3	IS-TF 311	6.0
IS-TF 308 SEL	6.3	IS-TF-287	6.0
JS 818	6.3	JS 809	6.0
MAESTRO (T31)	6.3	JS 825	6.0
MET-3	6.3	JS 916	6.0
PPG-TF-115	6.3	K12-MCD	6.0
PPG-TF-170	6.3	KINGDOM (DB1)	6.0
PPG-TF-172	6.3	MET 1	6.0
PST-5DZP	6.3	MICHELANGELO (LTP-F5DPDR)	6.0
RAPTOR III (ZW 44)	6.3	PICK-W43	6.0
TECHNIQUE (RZ2)	6.3	PPG-TF-137	6.0
THOR (PPG-TF-157)	6.3	PPG-TF-138	6.0
W41	6.3	PPG-TF-151	6.0
4TH MILLENNIUM SRP (U43)	6.0	PPG-TF-169	6.0
ANNIHILATOR	6.0	PSG-8BP2	6.0
ATF 1704	6.0	PSG-GSD	6.0
ATF 1736	6.0	PSG-P01	6.0
ATF 1754	6.0	PST-5BPO	6.0
AVENGER II (PPG-TF-156)	6.0	PST-5BRK	6.0
B23	6.0	PST-5EX2	6.0
BAR FA 120878	6.0	PST-5MVD	6.0
BAR FA 121089	6.0	RAD-TF-88	6.0
BIZEM	6.0	RAD-TF-89	6.0
BLACK TAIL (PPG-TF-150)	6.0	RAIN DANCE (PST-5SDT)	6.0
CCR2	6.0	REFLECTION (U45)	6.0
DYNAMITE LS (PPG-TF-145)	6.0	REGENERATE	6.0
TEMPLE (DZ1)	6.0	RHAMBLER 2 SRP (LSD)	6.0
F711	6.0	ROCKWELL (LTP-TWUU)	6.0
FAITH	6.0	ROWDY (SRX-TPC)	6.0
		SCREAMER LS (PPG-TF-148)	6.0

TABLE 32. FALL COLOR (NOVEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	IL1
SWAGGER (PST-5R05)	6.0
THUNDERSTRUCK (TD1)	6.0
TITANIUM 2LS (PPG-TF-152)	6.0
TURFWAY (IS-TF 282 M2)	6.0
WARHAWK	6.0
204 RES. BLK4	5.7
AQUADUCT	5.7
ATF 1612	5.7
BAR FA 121095	5.7
BULLSEYE	5.7
COMP. RES. SST	5.7
FOXHOUND (IS-TF 284 M2)	5.7
HOT ROD (BURL TF-136)	5.7
IS-TF 269 SEL	5.7
IS-TF 276 M2	5.7
K12-05	5.7
LEONARDO (LTP-FSD)	5.7
MARAUDER	5.7
MET 6 SEL	5.7
PPG-TF-135	5.7
PSG-TT4	5.7
RAD-TF-83	5.7
RAD-TF-92	5.7
SALTILLO (PST-5SALT)	5.7
TERRANO	5.7
XTENDER (PPG-TF-139)	5.7
CATALYST	5.3
JS 819	5.3
K12-13	5.3
PST-5EV2	5.3
TRAVERSE 2 SRP (W45)	5.3
MERIDIAN (PST-5GRB)	5.0
KY-31	4.0
LSD VALUE	0.7
C.V. (%)	7.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 33.

FALL COLOR (DECEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
2014 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	MS1	OK1	MEAN	NAME	IL1
MET-3	6.7	7.3	7.0	FALCON V	6.0
SCREAMER LS (PPG-TF-148)	7.0	7.0	7.0	FAYETTE (IS-TF 291)	6.0
MAESTRO (T31)	6.7	7.0	6.8	FIREBIRD 2	6.0
PPG-TF-137	6.7	7.0	6.8	FIREWALL (PSG-WE1)	6.0
FRONTLINE (EXP TF-09)	6.3	7.3	6.8	GO-DFR	6.0
GO-DFR	6.3	7.3	6.8	GTO (BURL TF-2)	6.0
PPG-TF-169	6.7	6.7	6.7	HEMI	6.0
4TH MILLENNIUM SRP (U43)	6.0	7.3	6.7	HOVER (BURL TF-69)	6.0
ANNIHILATOR	6.3	7.0	6.7	INSPIRATION (PST-R5NW)	6.0
ARES (PPG-TF-142)	6.0	7.3	6.7	IS-TF 272	6.0
AVENGER II (PPG-TF-156)	6.3	7.0	6.7	IS-TF 307 SEL	6.0
CAESAR (TY 10)	6.0	7.3	6.7	IS-TF 310 SEL	6.0
CATALYST	6.0	7.3	6.7	IS-TF 311	6.0
COMP. RES. SST	6.0	7.3	6.7	IS-TF-287	6.0
FAITH	6.3	7.0	6.7	JS 809	6.0
FAYETTE (IS-TF 291)	6.3	7.0	6.7	JS 825	6.0
FIREWALL (PSG-WE1)	6.3	7.0	6.7	JS 916	6.0
FOXHOUND (IS-TF 284 M2)	6.0	7.3	6.7	K12-MCD	6.0
GRANDE 3	6.3	7.0	6.7	KINGDOM (DB1)	6.0
K12-05	6.0	7.3	6.7	MET 1	6.0
PPG-TF-151	6.3	7.0	6.7	MICHELANGELO (LTP-F5DPDR)	6.0
PPG-TF-170	6.0	7.3	6.7	PICK-W43	6.0
RAD-TF-89	6.0	7.3	6.7	PPG-TF-137	6.0
RAPTOR III (ZW 44)	6.3	7.0	6.7	PPG-TF-138	6.0
REGENERATE	6.0	7.3	6.7	PPG-TF-151	6.0
ROCKWELL (LTP-TWUU)	6.0	7.3	6.7	PPG-TF-169	6.0
TECHNIQUE (RZ2)	6.3	7.0	6.7	PSG-8BP2	6.0
THOR (PPG-TF-157)	6.0	7.3	6.7	PSG-GSD	6.0
W41	6.3	7.0	6.7	PSG-PO1	6.0
AQUADUCT	5.7	7.3	6.5	PST-5BPO	6.0
ATF 1704	6.0	7.0	6.5	PST-5BRK	6.0
ATF 1736	6.0	7.0	6.5	PST-5EX2	6.0
BIZEM	6.0	7.0	6.5	PST-5MVD	6.0
BLACK TAIL (PPG-TF-150)	6.0	7.0	6.5	RAD-TF-88	6.0
CCR2	6.0	7.0	6.5	RAD-TF-89	6.0
DIABLO (IS-TF 330)	5.7	7.3	6.5	RAIN DANCE (PST-5SDT)	6.0
DYNAMITE LS (PPG-TF-145)	6.0	7.0	6.5	REFLECTION (U45)	6.0
TEMPLE (DZ1)	6.0	7.0	6.5	REGENERATE	6.0
F711	6.3	6.7	6.5	RHAMBLER 2 SRP (LSD)	6.0
FALCON V	6.0	7.0	6.5	ROCKWELL (LTP-TWUU)	6.0
FIREBIRD 2	6.0	7.0	6.5	ROWDY (SRX-TPC)	6.0
				SCREAMER LS (PPG-TF-148)	6.0

TABLE 33. FALL COLOR (DECEMBER) RATINGS OF TALL FESCUE CULTIVARS 1/
(CONT'D) 2014 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	MS1	OK1	MEAN
PSG-PO1	5.7	7.0	6.3
PSG-TT4	6.0	6.7	6.3
PST-5BP0	5.7	7.0	6.3
PST-5DZP	5.7	7.0	6.3
PST-5EV2	5.7	7.0	6.3
PST-5MVD	6.0	6.7	6.3
RAD-TF-92	5.7	7.0	6.3
SWAGGER (PST-5R05)	5.7	7.0	6.3
TEMPTATION (OR-21)	5.7	7.0	6.3
THUNDERSTRUCK (TD1)	6.0	6.7	6.3
XTENDER (PPG-TF-139)	5.7	7.0	6.3
ATF 1612	5.7	6.7	6.2
BAR FA 121091	5.7	6.7	6.2
BAR FA 121095	5.7	6.7	6.2
BULLSEYE	5.7	6.7	6.2
HEMI	5.7	6.7	6.2
HOT ROD (BURL TF-136)	5.7	6.7	6.2
INSPIRATION (PST-R5NW)	5.7	6.7	6.2
IS-TF 272	5.7	6.7	6.2
RHAMBLER 2 SRP (LSD)	5.7	6.7	6.2
FALCON IV	5.3	7.0	6.2
JS 818	5.3	7.0	6.2
JS 819	5.3	7.0	6.2
JS 825	5.3	7.0	6.2
RAD-TF-83	5.3	7.0	6.2
RAIN DANCE (PST-5SDT)	6.0	6.3	6.2
SALTILLO (PST-5SALT)	6.0	6.3	6.2
BAR FA 121089	5.7	6.3	6.0
JS 809	5.0	7.0	6.0
PPG-TF-115	5.0	7.0	6.0
K12-13	5.0	6.3	5.7
BAR FA 120878	5.0	5.7	5.3
KY-31	4.7	5.0	4.8
LSD VALUE	0.8	0.7	0.5
C.V. (%)	7.9	5.9	6.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 34. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT RALEIGH, NC 1/
2014 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE	AUGUST	SEPTEMBER	MEAN
LEONARDO (LTP-FSD)	8.7	8.7	8.7	8.7
TRAVERSE 2 SRP (W45)	8.7	8.7	8.7	8.7
MET 6 SEL	8.3	8.7	8.7	8.6
PST-5MVD	9.0	8.3	8.3	8.6
TERRANO	8.7	8.3	8.7	8.6
HEMI	8.0	8.7	8.7	8.4
PPG-TF-135	8.3	8.7	8.3	8.4
RAPTOR III (ZW 44)	8.0	8.7	8.7	8.4
BLACK TAIL (PPG-TF-150)	7.7	8.3	9.0	8.3
TEMPLE (DZ1)	9.0	7.7	8.3	8.3
TECHNIQUE (RZ2)	8.3	8.3	8.3	8.3
PPG-TF-151	8.0	8.3	8.3	8.2
REGENERATE	8.0	8.7	8.0	8.2
RHAMBLER 2 SRP (LSD)	8.3	8.3	8.0	8.2
ROWDY (SRX-TPC)	8.0	8.3	8.3	8.2
TURFWAY (IS-TF 282 M2)	8.3	8.3	8.0	8.2
BAR FA 121089	8.7	8.0	7.7	8.1
F711	8.3	8.0	8.0	8.1
IS-TF 307 SEL	9.0	7.7	7.7	8.1
IS-TF 311	8.0	8.3	8.0	8.1
JS 916	8.0	8.0	8.3	8.1
PPG-TF-172	8.3	8.0	8.0	8.1
PSG-TT4	8.3	7.7	8.3	8.1
ROCKWELL (LTP-TWUU)	8.0	8.0	8.3	8.1
ATF 1612	8.0	8.0	8.0	8.0
DIABLO (IS-TF 330)	8.3	7.7	8.0	8.0
MET 1	8.3	7.7	8.0	8.0
PPG-TF-138	8.3	7.7	8.0	8.0
PSG-P01	8.3	8.0	7.7	8.0
PST-5BPO	7.7	8.0	8.3	8.0
PST-5EV2	8.3	8.0	7.7	8.0
SWAGGER (PST-5R05)	8.0	8.0	8.0	8.0
4TH MILLENNIUM SRP (U43)	8.3	7.7	7.7	7.9
ATF 1704	8.0	7.7	8.0	7.9
BIZEM	7.3	8.3	8.0	7.9
FALCON V	8.0	7.7	8.0	7.9
FOXHOUND (IS-TF 284 M2)	8.3	7.7	7.7	7.9
GO-DFR	7.7	7.7	8.3	7.9
HOT ROD (BURL TF-136)	8.0	8.0	7.7	7.9
IS-TF 305 SEL	8.0	8.0	7.7	7.9
IS-TF 308 SEL	7.7	8.0	8.0	7.9
PPG-TF-170	8.0	7.7	8.0	7.9
PST-5BRK	8.3	7.7	7.7	7.9
PST-5EX2	7.3	8.0	8.3	7.9
RAIN DANCE (PST-5SDT)	7.7	8.0	8.0	7.9

TABLE 34. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT RALEIGH, NC 1/
2014 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE	AUGUST	SEPTEMBER	MEAN
REFLECTION (U45)	8.0	7.7	8.0	7.9
SCREAMER LS (PPG-TF-148)	8.3	7.7	7.7	7.9
AVENGER II (PPG-TF-156)	7.7	8.0	7.7	7.8
DYNAMITE LS (PPG-TF-145)	8.0	8.0	7.3	7.8
GRANDE 3	7.7	7.7	8.0	7.8
GTO (BURL TF-2)	7.3	7.7	8.3	7.8
IS-TF 289	8.0	7.7	7.7	7.8
XTENDER (PPG-TF-139)	8.3	7.3	7.7	7.8
MAESTRO (T31)	7.3	7.7	8.0	7.7
MET-3	8.0	7.3	7.7	7.7
PICK-W43	7.7	7.7	7.7	7.7
THOR (PPG-TF-157)	7.7	7.7	7.7	7.7
CAESAR (TY 10)	7.3	7.7	7.7	7.6
FESNOVA	8.0	7.3	7.3	7.6
HOVER (BURL TF-69)	7.7	7.7	7.3	7.6
JS 825	8.3	7.3	7.0	7.6
K12-MCD	7.3	7.3	8.0	7.6
KY-31	7.3	7.3	8.0	7.6
MICHELANGELO (LTP-F5DPDR)	7.7	7.3	7.7	7.6
PPG-TF-137	7.3	7.7	7.7	7.6
SALTILLO (PST-5SALT)	7.3	7.7	7.7	7.6
TITANIUM 2LS (PPG-TF-152)	8.3	7.3	7.0	7.6
W41	7.7	7.7	7.3	7.6
ARES (PPG-TF-142)	7.7	7.3	7.3	7.4
B23	8.0	7.3	7.0	7.4
CCR2	7.3	7.7	7.3	7.4
FIREWALL (PSG-WE1)	7.7	7.3	7.3	7.4
IS-TF 269 SEL	7.7	7.7	7.0	7.4
K12-05	7.0	7.7	7.7	7.4
KINGDOM (DB1)	8.0	7.3	7.0	7.4
PPG-TF-169	7.7	7.7	7.0	7.4
PST-5DZP	7.7	7.3	7.3	7.4
TEMPTATION (OR-21)	7.7	7.3	7.3	7.4
IS-TF 285	8.0	7.0	7.0	7.3
ATF 1754	7.3	6.7	7.7	7.2
FIREBIRD 2	7.7	7.0	7.0	7.2
JS 818	7.0	7.7	7.0	7.2
K12-13	7.3	7.3	7.0	7.2
PSG-8BP2	7.3	7.3	7.0	7.2
PSG-GSD	7.3	7.0	7.3	7.2
RAD-TF-83	7.3	7.0	7.3	7.2
RAD-TF-89	8.0	6.7	7.0	7.2
FIRECRACKER SLS (PPG-TF-105)	7.3	7.0	7.0	7.1
INSPIRATION (PST-R5NW)	7.3	7.0	7.0	7.1
IS-TF 272	8.0	7.0	6.3	7.1

Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

TABLE 34. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT RALEIGH, NC 1/
2014 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE	AUGUST	SEPTEMBER	MEAN
IS-TF 276 M2	7.0	7.3	7.0	7.1
JS 819	7.7	7.0	6.7	7.1
PPG-TF-115	7.7	6.7	7.0	7.1
RAD-TF-88	7.0	7.0	7.3	7.1
RAD-TF-92	7.7	6.7	7.0	7.1
BAR FA 121091	7.3	7.0	6.7	7.0
BULLSEYE	7.7	6.7	6.7	7.0
CATALYST	7.7	7.3	6.0	7.0
FAITH	7.0	7.0	7.0	7.0
IS-TF 310 SEL	7.0	7.0	7.0	7.0
MERIDIAN (PST-5GRB)	7.7	6.7	6.7	7.0
ANNIHILATOR	7.0	7.0	6.7	6.9
ATF 1736	7.3	7.0	6.3	6.9
FALCON IV	7.0	7.0	6.7	6.9
IS-TF-287	7.0	7.0	6.7	6.9
AQUADUCT	7.0	6.7	6.7	6.8
BAR FA 120878	7.0	6.7	6.7	6.8
FAYETTE (IS-TF 291)	7.3	6.7	6.3	6.8
WARHAWK	7.0	6.3	6.7	6.7
BAR FA 121095	6.3	7.0	6.3	6.6
MARAUDER	6.7	6.7	6.3	6.6
COMP. RES. SST	7.0	6.3	6.0	6.4
JS 809	6.3	6.7	6.3	6.4
THUNDERSTRUCK (TD1)	6.7	6.3	5.7	6.2
FRONTLINE (EXP TF-09)	7.0	5.7	5.3	6.0
204 RES. BLK4	4.0	4.3	3.7	4.0
LSD VALUE	2.0	1.8	2.3	1.5
C.V. (%)	11.2	11.3	14.0	10.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 35. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
AT STILLWATER, OK 1/
2014 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE 6	JUNE 13	JUNE 23	AUGUST	MEAN
PST-5EV2	7.3	6.7	6.7	6.0	6.7
RHAMBLER 2 SRP (LSD)	7.3	7.3	6.0	5.3	6.5
TERRANO	7.7	7.0	6.3	4.7	6.4
F711	7.0	7.0	6.3	4.7	6.3
FESNOVA	7.7	7.3	6.7	3.7	6.3
KY-31	7.7	8.0	6.7	3.0	6.3
MET 1	6.7	7.3	6.3	4.7	6.3
ROWDY (SRX-TPC)	6.7	6.7	6.7	5.3	6.3
PPG-TF-172	7.0	7.0	6.0	4.7	6.2
ARES (PPG-TF-142)	6.3	7.3	6.7	4.0	6.1
BULLSEYE	7.3	6.7	6.3	4.0	6.1
IS-TF 307 SEL	7.0	6.3	6.0	5.0	6.1
LEONARDO (LTP-FSD)	7.3	7.3	6.3	3.3	6.1
PST-5EX2	7.0	6.0	6.0	5.3	6.1
4TH MILLENNIUM SRP (U43)	7.0	7.0	6.0	4.0	6.0
AVENGER II (PPG-TF-156)	6.7	7.0	6.0	4.3	6.0
FOXHOUND (IS-TF 284 M2)	7.3	6.3	5.7	4.7	6.0
FRONTLINE (EXP TF-09)	6.7	7.0	6.0	4.3	6.0
K12-MCD	7.3	6.7	5.7	4.3	6.0
MAESTRO (T31)	6.7	6.7	6.3	4.3	6.0
PST-5BPO	7.0	6.7	6.3	4.0	6.0
TITANIUM 2LS (PPG-TF-152)	7.3	6.7	6.3	3.7	6.0
BIZEM	7.0	6.3	6.0	4.3	5.9
FAITH	7.0	7.3	6.0	3.3	5.9
FIRECRACKER SLS (PPG-TF-105)	7.0	6.7	6.7	3.3	5.9
INSPIRATION (PST-R5NW)	6.7	6.7	6.7	3.7	5.9
JS 818	7.0	6.7	6.0	4.0	5.9
MERIDIAN (PST-5GRB)	7.3	6.0	6.0	4.3	5.9
PSG-GSD	7.3	7.0	6.3	3.0	5.9
PST-5MVD	7.3	6.7	6.0	3.7	5.9
RAIN DANCE (PST-5SDT)	7.7	6.0	6.3	3.7	5.9
REGENERATE	6.3	6.7	6.3	4.3	5.9
TURFWAY (IS-TF 282 M2)	7.3	6.0	5.7	4.7	5.9
BAR FA 120878	6.3	7.7	6.3	3.0	5.8
BLACK TAIL (PPG-TF-150)	6.7	6.3	6.0	4.3	5.8
DYNAMITE LS (PPG-TF-145)	7.0	6.3	6.3	3.3	5.8
TEMPLE (DZ1)	6.7	6.0	6.3	4.0	5.8
FALCON IV	7.0	6.3	6.3	3.3	5.8
FALCON V	6.7	7.0	6.3	3.3	5.8
FAYETTE (IS-TF 291)	7.0	6.7	6.0	3.7	5.8
FIREBIRD 2	6.7	6.3	6.0	4.3	5.8
HOT ROD (BURL TF-136)	6.3	6.7	5.3	4.7	5.8
IS-TF 311	6.7	5.7	6.0	4.7	5.8
JS 819	6.3	7.0	6.3	3.7	5.8
JS 916	7.0	6.3	6.0	4.0	5.8

TABLE 35. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT STILLWATER, OK 1/
2014 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE 6	JUNE 13	JUNE 23	AUGUST	MEAN
MICHELANGELO (LTP-F5DPDR)	7.0	7.3	6.0	3.0	5.8
PPG-TF-135	6.7	6.7	6.0	3.7	5.8
PSG-8BP2	6.3	5.7	6.3	5.0	5.8
REFLECTION (U45)	7.0	6.3	6.0	4.0	5.8
SCREAMER LS (PPG-TF-148)	6.3	6.7	6.0	4.3	5.8
SWAGGER (PST-5R05)	7.3	6.7	6.0	3.3	5.8
TEMPTATION (OR-21)	6.7	6.3	6.3	4.0	5.8
THOR (PPG-TF-157)	7.0	5.7	6.0	4.3	5.8
W41	6.7	6.3	5.7	4.3	5.8
XTENDER (PPG-TF-139)	6.3	6.3	6.0	4.7	5.8
B23	6.3	6.3	6.0	4.0	5.7
GO-DFR	6.7	7.0	5.7	3.3	5.7
GRANDE 3	7.0	6.0	6.3	3.3	5.7
IS-TF 285	6.3	6.3	6.3	3.7	5.7
IS-TF 289	6.7	6.3	6.3	3.3	5.7
IS-TF 305 SEL	6.3	6.0	6.3	4.0	5.7
JS 809	6.7	6.7	5.7	3.7	5.7
PICK-W43	7.3	6.3	6.0	3.0	5.7
PPG-TF-115	7.0	6.0	6.3	3.3	5.7
PSG-P01	7.0	6.0	6.0	3.7	5.7
PST-5BRK	7.3	6.0	6.0	3.3	5.7
SALTILLO (PST-5SALT)	7.0	6.0	6.0	3.7	5.7
ATF 1704	7.0	6.0	6.0	3.3	5.6
ATF 1736	7.0	5.7	6.0	3.7	5.6
BAR FA 121089	6.7	6.3	6.0	3.3	5.6
BAR FA 121091	6.7	6.3	6.0	3.3	5.6
BAR FA 121095	6.7	6.7	6.0	3.0	5.6
CAESAR (TY 10)	6.7	6.7	6.0	3.0	5.6
CATALYST	6.7	6.3	6.0	3.3	5.6
DIABLO (IS-TF 330)	7.0	5.7	6.0	3.7	5.6
FIREWALL (PSG-WE1)	6.3	6.7	6.0	3.3	5.6
HEMI	6.3	6.3	6.0	3.7	5.6
IS-TF 310 SEL	6.7	6.3	5.7	3.7	5.6
KINGDOM (DB1)	6.3	7.0	6.0	3.0	5.6
MET 6 SEL	6.7	6.3	5.7	3.7	5.6
PPG-TF-151	7.3	6.0	5.7	3.3	5.6
PPG-TF-169	6.7	6.0	5.7	4.0	5.6
TECHNIQUE (RZ2)	6.7	5.7	5.7	4.3	5.6
TRAVERSE 2 SRP (W45)	6.3	6.0	5.7	4.3	5.6
GTO (BURL TF-2)	6.7	6.0	6.0	3.3	5.5
IS-TF 269 SEL	6.7	5.7	5.7	4.0	5.5
IS-TF 308 SEL	6.0	6.0	6.0	4.0	5.5
PST-5DZP	6.3	6.3	6.0	3.3	5.5
RAPTOR III (ZW 44)	7.0	6.3	5.3	3.3	5.5
ROCKWELL (LTP-TWUU)	7.0	6.3	6.0	2.7	5.5

Taken from the 2012 Tall Fescue test - 2014 data report with permission from NTEP

TABLE 35. BROWN PATCH RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) AT STILLWATER, OK 1/
2014 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE 6	JUNE 13	JUNE 23	AUGUST	MEAN
ATF 1754	6.7	6.3	6.0	2.7	5.4
IS-TF-287	7.0	5.3	5.3	4.0	5.4
PPG-TF-137	6.3	6.3	5.7	3.3	5.4
PPG-TF-138	6.7	5.3	5.7	4.0	5.4
WARHAWK	5.3	6.3	6.3	3.7	5.4
AQUADUCT	6.3	6.3	5.7	3.0	5.3
HOVER (BURL TF-69)	6.3	6.0	6.0	3.0	5.3
IS-TF 272	6.3	5.3	5.7	4.0	5.3
IS-TF 276 M2	6.7	5.7	5.7	3.0	5.3
THUNDERSTRUCK (TD1)	6.3	6.3	5.7	2.7	5.3
MET-3	6.3	5.7	5.7	3.0	5.2
PPG-TF-170	5.7	5.7	5.7	3.7	5.2
PSG-TT4	5.7	5.7	5.7	3.7	5.2
ANNIHILATOR	5.3	6.3	6.0	2.7	5.1
ATF 1612	7.0	5.3	5.0	3.0	5.1
JS 825	6.0	6.7	5.0	2.7	5.1
K12-05	6.3	5.7	5.0	3.3	5.1
K12-13	5.7	6.0	6.0	2.7	5.1
CCR2	6.3	4.3	5.7	3.3	4.9
RAD-TF-89	6.0	5.7	5.0	3.0	4.9
204 RES. BLK4	5.3	6.0	5.7	2.0	4.8
RAD-TF-83	6.0	6.0	5.3	2.0	4.8
MARAUDER	4.7	6.3	5.7	1.7	4.6
RAD-TF-88	5.7	5.7	5.0	2.0	4.6
RAD-TF-92	5.3	5.7	5.3	1.7	4.5
COMP. RES. SST	4.0	5.3	5.0	1.3	3.9
LSD VALUE	1.6	2.2	1.2	2.1	0.8
C.V. (%)	11.2	13.0	8.7	27.1	8.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

APPENDIX TABLE

SUMMARY OF TURFGRASS QUALITY RATINGS FOR TALL FESCUE CULTIVARS */

2014 DATA

TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF **/

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/	NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
204 RES. BLK4	5.3	0.0	IS-TF 285	5.9	0.0
4TH MILLENNIUM SRP (U43)	6.6	73.7	IS-TF 289	6.0	21.1
ANNIHILATOR	5.5	0.0	IS-TF 305 SEL	6.2	31.6
AQUADUCT	5.2	0.0	IS-TF 307 SEL	6.3	26.3
ARES (PPG-TF-142)	6.0	15.8	IS-TF 308 SEL	6.3	36.8
ATF 1612	6.2	15.8	IS-TF 310 SEL	6.2	26.3
ATF 1704	6.1	10.5	IS-TF 311	6.3	42.1
ATF 1736	6.0	15.8	IS-TF-287	6.1	15.8
ATF 1754	6.1	21.1	JS 809	5.5	0.0
AVENGER II (PPG-TF-156)	6.5	73.7	JS 818	5.6	0.0
B23	6.3	42.1	JS 819	5.5	0.0
BAR FA 120878	4.8	5.3	JS 825	5.3	0.0
BAR FA 121089	5.5	0.0	JS 916	6.3	36.8
BAR FA 121091	5.3	0.0	K12-05	5.8	5.3
BAR FA 121095	5.6	5.3	K12-13	5.3	0.0
BIZEM	6.3	47.4	K12-MCD	6.1	21.1
BLACK TAIL (PPG-TF-150)	6.3	31.6	KINGDOM (DB1)	6.0	31.6
BULLSEYE	6.0	10.5	KY-31	3.6	0.0
CAESAR (TY 10)	5.9	5.3	LEONARDO (LTP-FSD)	6.2	26.3
CATALYST	6.0	15.8	MAESTRO (T31)	6.3	36.8
CCR2	6.5	63.2	MARAUDER	5.3	0.0
COMP. RES. SST	5.4	5.3	MERIDIAN (PST-5GRB)	6.0	15.8
DIABLO (IS-TF 330)	6.2	31.6	MET 1	6.5	78.9
DYNAMITE LS (PPG-TF-145)	5.9	10.5	MET 6 SEL	6.3	47.4
F711	6.4	47.4	MET-3	6.3	36.8
FAITH	6.2	21.1	MICHELANGELO (LTP-F5DPDR)	6.1	36.8
FALCON IV	5.8	15.8	PICK-W43	6.4	47.4
FALCON V	6.1	15.8	PPG-TF-115	6.0	15.8
FAYETTE (IS-TF 291)	6.3	47.4	PPG-TF-135	6.4	63.2
FESNOVA	6.1	15.8	PPG-TF-137	6.4	52.6
FIREBIRD 2	6.2	31.6	PPG-TF-138	6.1	10.5
FIRECRACKER SLS (PPG-TF-105)	6.2	21.1	PPG-TF-151	6.2	21.1
FIREWALL (PSG-WE1)	6.3	52.6	PPG-TF-169	6.3	52.6
FOXHOUND (IS-TF 284 M2)	6.1	21.1	PPG-TF-170	6.3	52.6
FRONTLINE (EXP TF-09)	5.5	10.5	PPG-TF-172	6.3	42.1
GO-DFR	5.7	5.3	PSG-8BP2	5.6	0.0
GRANDE 3	6.2	26.3	PSG-GSD	5.7	0.0
GTO (BURL TF-2)	6.4	42.1	PSG-P01	6.3	42.1
HEMI	6.4	57.9	PSG-TT4	5.6	0.0
HOT ROD (BURL TF-136)	6.3	47.4	PST-5BPO	5.9	15.8
HOVER (BURL TF-69)	6.1	10.5	PST-5BRK	5.9	21.1
INSPIRATION (PST-R5NW)	5.6	10.5	PST-5DZP	5.7	5.3
IS-TF 269 SEL	6.1	26.3	PST-5EV2	6.2	26.3
IS-TF 272	5.9	15.8	PST-5EX2	5.8	15.8
IS-TF 276 M2	5.9	15.8	PST-5MVD	6.0	10.5

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
RAD-TF-83	5.6	0.0
RAD-TF-88	6.0	5.3
RAD-TF-89	6.1	21.1
RAD-TF-92	5.9	5.3
RAIN DANCE (PST-5SDT)	5.7	10.5
RAPTOR III (ZW 44)	6.5	63.2
REFLECTION (U45)	6.4	52.6
REGENERATE	6.5	63.2
RHAMBLER 2 SRP (LSD)	6.2	26.3
ROCKWELL (LTP-TWUU)	6.4	47.4
ROWDY (SRX-TPC)	6.3	52.6
SALTILLO (PST-5SALT)	5.9	5.3
SCREAMER LS (PPG-TF-148)	6.2	42.1
SWAGGER (PST-5R05)	5.9	10.5
TECHNIQUE (RZ2)	6.4	42.1
TEMPLE (DZ1)	6.2	21.1
TEMPTATION (OR-21)	5.8	15.8
TERRANO	6.0	21.1
THOR (PPG-TF-157)	6.4	47.4
THUNDERSTRUCK (TD1)	5.9	15.8
TITANIUM 2LS (PPG-TF-152)	6.5	57.9
TRAVERSE 2 SRP (W45)	6.6	68.4
TURFWAY (IS-TF 282 M2)	6.2	15.8
W41	6.3	42.1
WARHAWK	5.3	0.0
XTENDER (PPG-TF-139)	6.2	15.8
LSD VALUE	0.2	
C.V. (%)	8.0	

- */ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
 **/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
 1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.
 2/ MAXIMUM IN TOP 25% THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.